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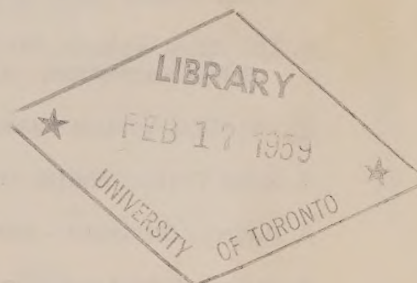
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# MOTOR TRANSPORT TRAFFIC STATISTICS NATIONAL ESTIMATES

1957



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The Honourable Gordon Churchill, Minister of Trade and Commerce

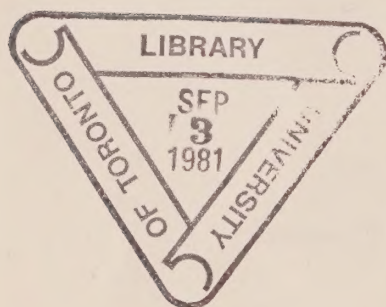
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2. Motor Carriers — Freight — annual.
3. Passenger Bus Statistics — monthly and annual.
4. Urban Transit — monthly and annual.
5. The Motor Vehicle, Preliminary Report of Registrations and Size, Weight and Safety Regulations — annual.
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7. Motor Vehicle Traffic Accidents — monthly, quarterly and annual.
8. Highway Statistics — annual.
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MOTOR TRANSPORT TRAFFIC STATISTICS  
NATIONAL ESTIMATES

1957

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

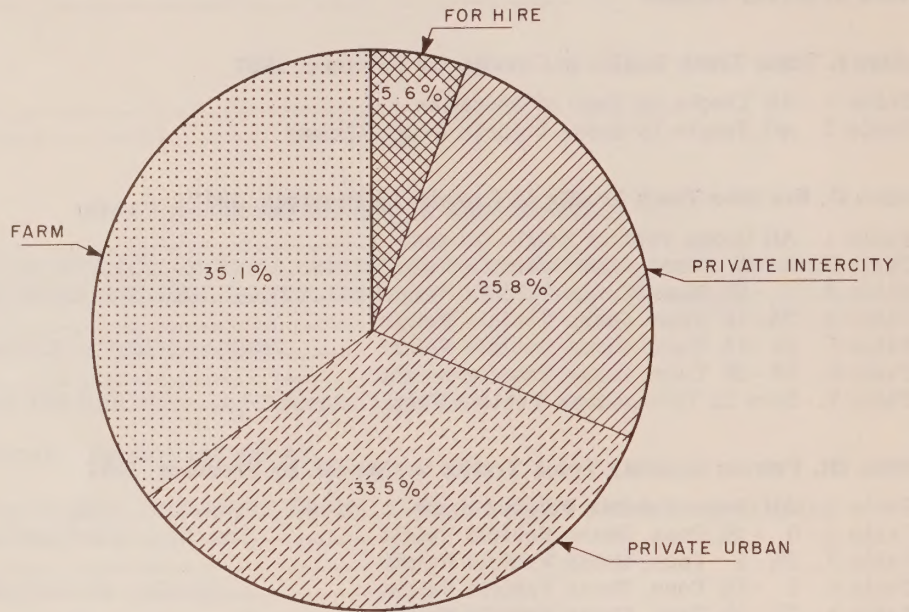


CHART-2

NET TON MILES BY TYPE OF OPERATION

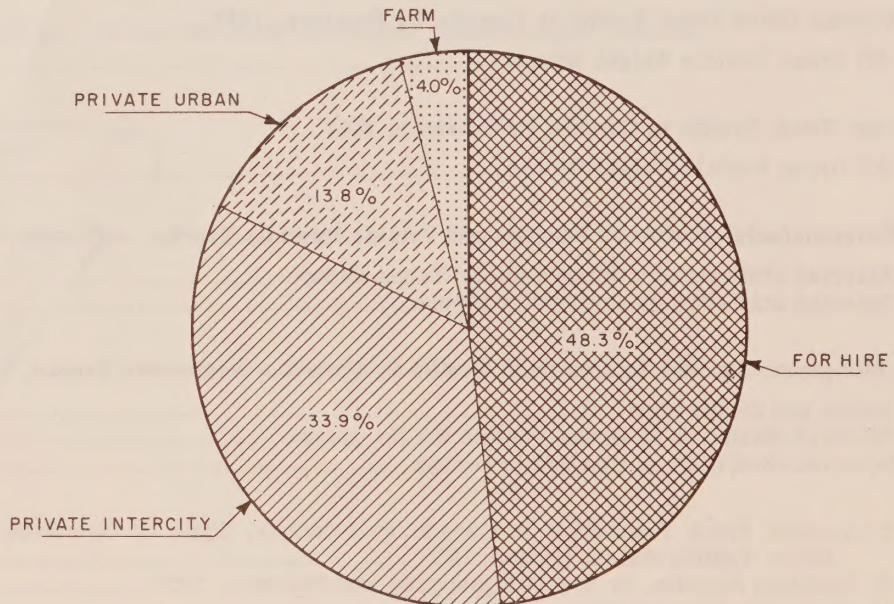




CHART-3

# TOTAL MILEAGE TRAVELLED BY TYPE OF OPERATION

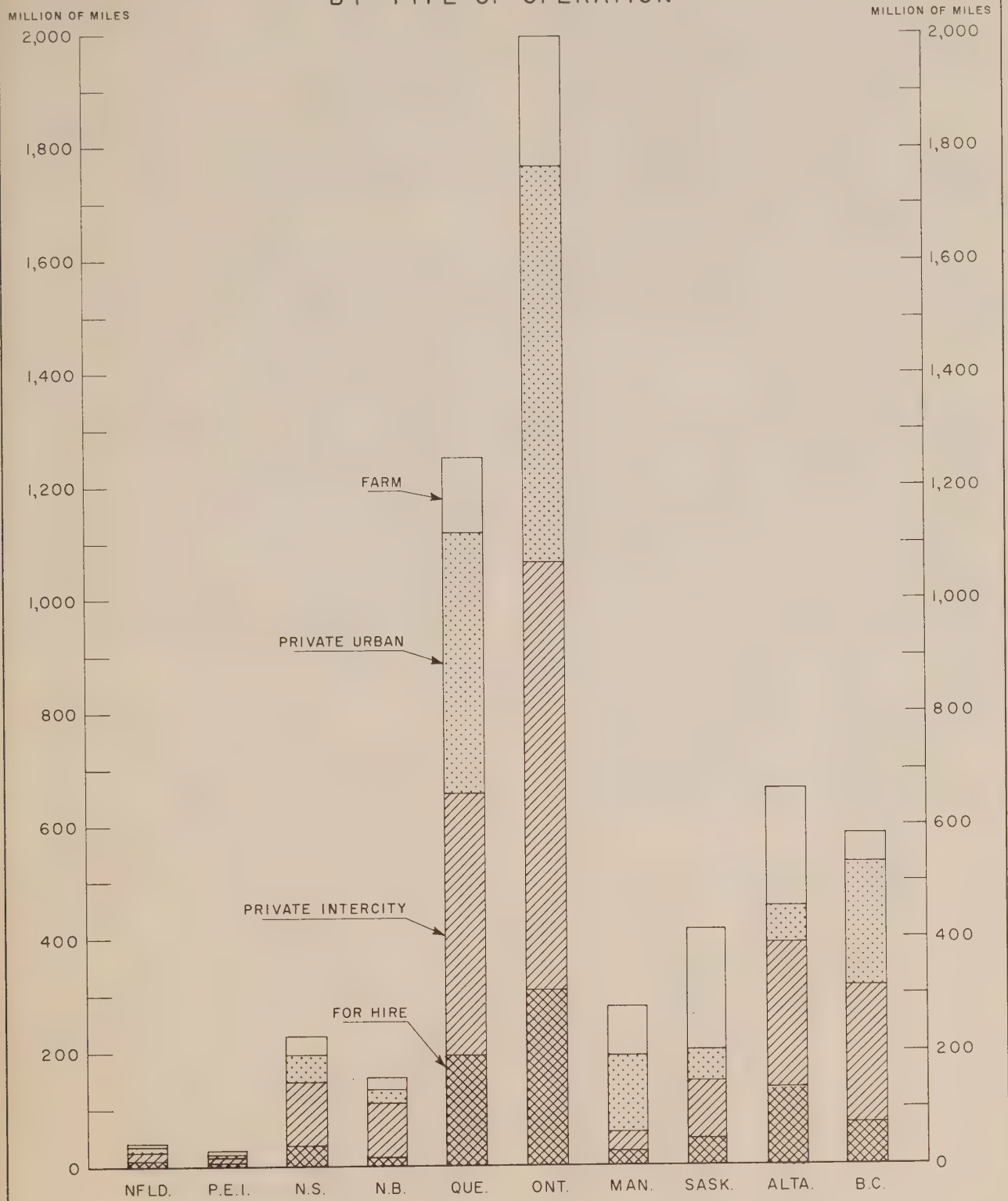


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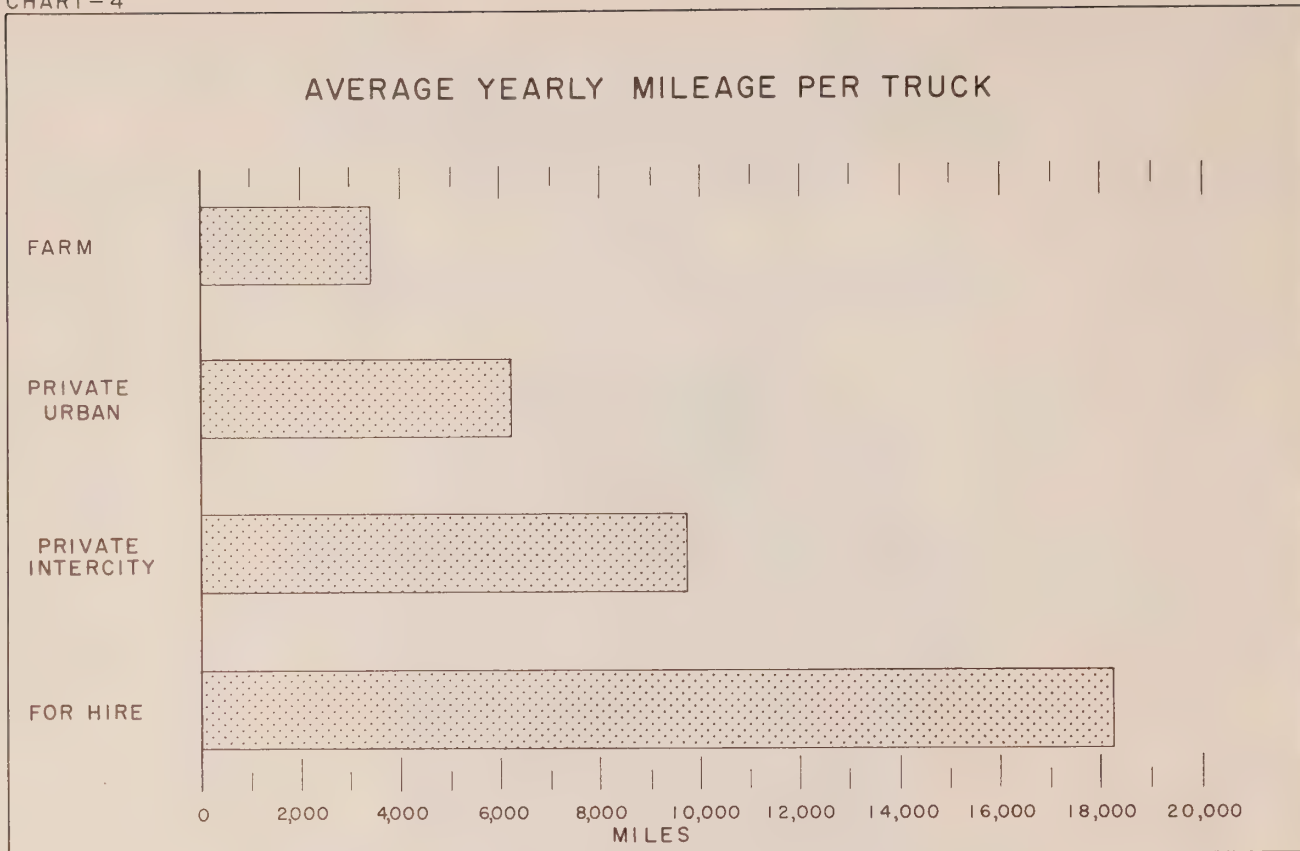
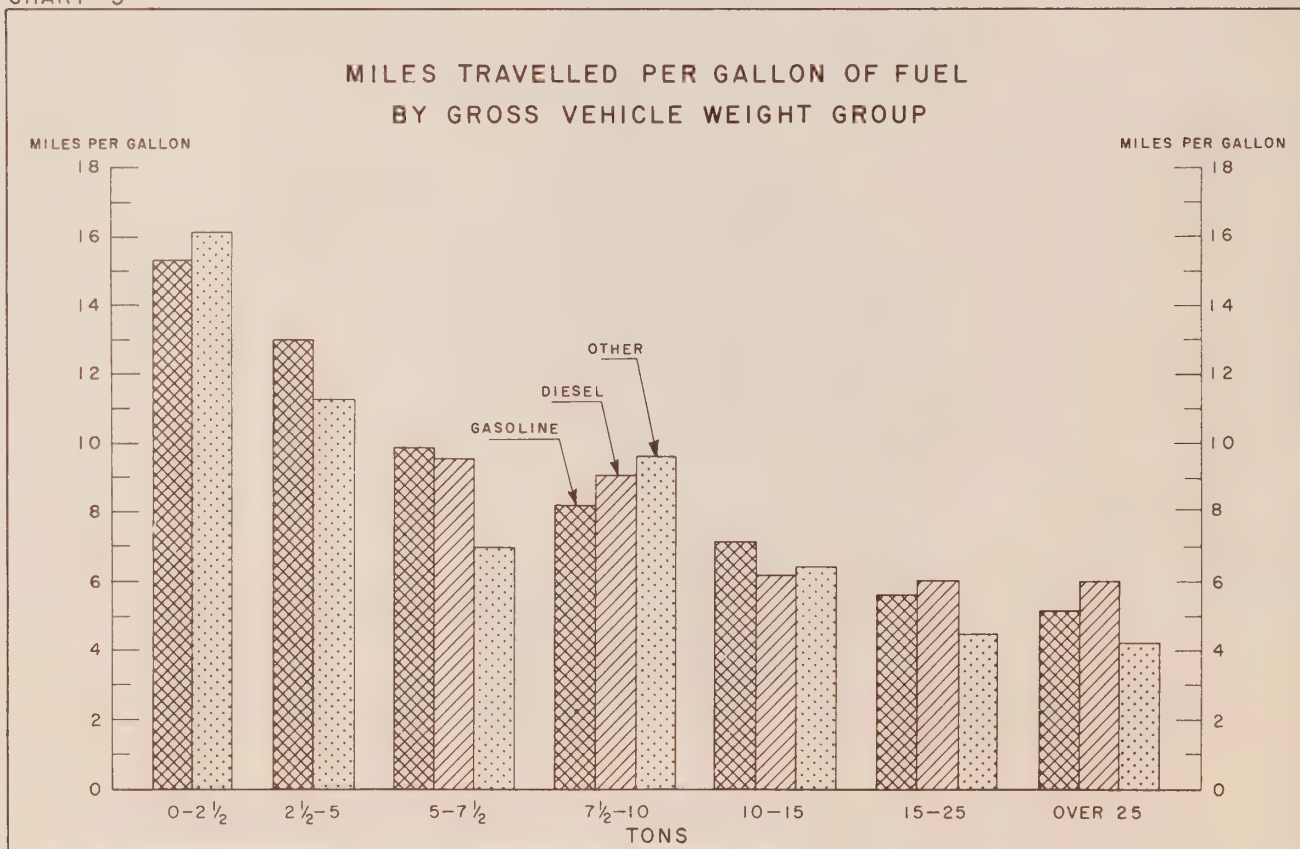


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## INTRODUCTION

This is the first nation-wide report of motor transport traffic to be published in Canada and represents the results of sample surveys conducted in each of the ten provinces during the twelve month period ended December 31, 1957. Truck transport statistics published in provincial or regional reports for 1957 have been summarized herein and adjusted where necessary to eliminate duplication. National intercity bus traffic estimates are not included in this report because reliable statistics have not been collected in all ten provinces; however, bus data may be found in most provincial motor transport traffic reports.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its provincial affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

This introduction attempts to explain in some detail the history of these surveys, along with the technical problems encountered, and includes a discussion of the concepts, sample selection and compilation methods followed. A statement on sources of error is also included. It is hoped that this background material will assist the users in understanding the statistics and their general validity. Questions and suggestions on their adequacy and usefulness are welcomed.

### Need for Road Transport Statistics:

The rapid growth of truck transport in Canada, particularly since World War II, led to a demand for comprehensive traffic data including such basic statistics as weight of goods carried, ton miles and revenue per ton mile. Various royal commissions on transportation have found it difficult to assess the relative role played by truck transport in the total transportation picture and its impact on rail traffic. The railways and the road transport industry in particular have had to estimate levels of motor transport traffic in supporting their positions in freight rate enquiries before the Board of Transport Commissioners which in turn was handicapped by the lack of reliable information. Provincial governments being responsible for the planning and maintenance of highways together with the regulation and taxation of motor vehicles, required additional data to more precisely appraise the nature and amount of vehicle traffic. The problem of inter-provincial trucking administration which now confronts most provinces also created an additional requirement for statistics. Finally, individual trucking firms, equipment manufacturers and fuel companies need an accurate statistical picture of motor transport traffic in order to determine market potentials in the truck transport field.

### History of Motor Transport Traffic Surveys:

The Dominion Bureau of Statistics has been compiling financial and operating statistics of common carriers since 1941. These statistics were useful in estimating the growth of common carrier operations but failed to provide basic measurements, such as the ton mile, which are essential for detailed statistical analyses of truck traffic. At the same time, being limited to common carriers, no information was collected on the activities of other types of truck transport including contract carriers, farm trucks and vehicles used to transport the operator's own goods both over the highway and in urban areas. One of the major reasons for not collecting detailed traffic data from common carriers in the past has been the difficulty of obtaining such information from the numerous small operators who, while comprising a significant portion of the industry, do not maintain detailed traffic records.

Because of the heterogeneous nature of the trucking industry in Canada, it was decided to attempt to collect truck traffic statistics by means of a random sample of vehicles using mail questionnaires. A pilot survey was conducted in Manitoba in 1954 to determine the feasibility of this method. Manitoba was chosen as a test province because the functional organization of the licensing system divided vehicles into four major groups: for-hire, private intercity, urban and farm. Furthermore this province, while sufficiently large to constitute an adequate test, was not so large as to involve undue expense. When it became apparent that a satisfactory response could be obtained with a mail survey based upon a random sample of vehicles registered in the province, arrangements were made to extend the survey to the other provinces. By 1957 surveys were being conducted on a continuing basis in all ten provinces so that for the first time it is possible to publish national estimates of truck traffic in addition to the annual reports released for individual provinces.

To date the following motor transport traffic reports have been released:

Province	Period	Release Date
British Columbia	Year ended June 30, 1956	Mar. 1957
	1956 (Calendar year)	Mar. 1958
	1957	Nov. 1958
Alberta	1956	July, 1957
	1957	Sept. 1958
Saskatchewan	1956	Nov. 1957
	1957	Nov. 1958
Manitoba	Year ended June 30, 1955	June, 1956
	1956 (Calendar year)	Nov. 1957
	1957	Nov. 1958
Ontario	Year ended June 30, 1956	Dec. 1956
	1956 (Calendar year)	Jan. 1958
	1957	Dec. 1958
Quebec	Year ended Mar. 31, 1957	Feb. 1958
	1957 (Calendar year)	Dec. 1958
Atlantic Provinces	1957	Oct. 1958

### Organization and Description of the Sample:

Samples of commercial vehicles are selected quarterly from motor vehicle registration records in each of the ten provinces and are stratified by six weight groups: 0-2½ tons; 2½-5; 5-7½; 7½-10; 10-15; over 15 tons. Where the registration system permits, vehicles are selected from distinct licence categories corresponding to those established in the motor transport traffic survey. The licensing arrangement in Manitoba most closely resembles the classification of vehicles in the survey but even there it was not possible to identify vehicles operating interprovincially or internationally. The licensing systems in each of the other provinces differed from that of Manitoba by varying degrees so that in some cases it was necessary to classify trucks according to the replies received in the questionnaires.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated; tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government owned vehicles and motor vehicles not required to obtain licences under provincial highway traffic acts.

An overall sample of twelve per cent of Canadian registered trucks was selected during 1957. To allow for seasonal variations and to ensure that the sample vehicles represented current registrations in force, this annual survey was conducted on a quarterly basis with approximately 3 per cent of total registrations sampled each quarter. Registrations selected were coded so that a particular vehicle would not be chosen more than once during each licence year. Each quarterly survey ran for a seven day period, Sunday through Saturday. The operator of the vehicle selected in the sample was asked to complete a questionnaire on that vehicle's operations for a specified week.

By concentrating higher sampling ratios among the weight groups containing the largest vehicles, the twelve per cent sample of registrations actually represented 21 per cent of the capacity of all vehicles registered. Furthermore, the probability of obtaining more reliable results was increased since the larger weight classes, containing a relatively small number of vehicles, were involved in more diversified types of operations and accounted for the bulk of net ton miles performed in Canada.

The sample selection ratios used quarterly in each province were as follows:

Province	Gross vehicle weight groups (pounds)					
	0- 5,000	5,001- 10,000	10,001- 15,000	15,001- 20,000	20,001- 30,000	Over 30,000
Newfoundland .....	1/36	1/18	1/6	1/6	1/6	1/6
Prince Edward Island .....	1/36	1/18	1/6	1/6	1/6	1/6
Nova Scotia .....	1/27	1/27	1/9	1/9	1/9	1/9
New Brunswick .....	1/27	1/27	1/9	1/9	1/9	1/9
Quebec <sup>1</sup> .....	1/72	1/36	1/24	1/24	1/12	1/12
Ontario .....	1/72	1/36	1/24	1/24	1/12	1/12
Manitoba .....	1/60	1/30 (farm 1/60)	1/20	1/20	1/10	1/10
Saskatchewan .....	1/60	1/30 (farm 1/60)	1/20	1/20	1/10	1/10
Alberta .....	1/72	1/36	1/24	1/24	1/12	1/12
British Columbia <sup>1</sup> .....	1/72	1/36	1/24	1/24	1/12	1/12

<sup>1</sup> Vehicles in Quebec and British Columbia, are selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lbs., 3,301-5,800 lbs., 5,801-7,300 lbs., 7,301-8,550 lbs., 8,551-11,050 lbs., over 11,050 lbs.

In order to secure a high rate of response, vehicles were not included in more than one survey per year, although a company with many vehicles might have had trucks in every survey. Furthermore an intensive follow-up procedure has been developed.

The motor vehicle population varies over the course of the year as vehicle registrations are received at provincial motor vehicle branches. Hence the motor transport traffic statistics contained herein are based upon an average annual population. Population estimates for 1957 are to be found in Appendix I.

Since each quarterly sample was selected by predetermined ratios for each gross vehicle weight group, the truck population was estimated by multiplying samples by the inverse of the selection ratios. Expansion factors were computed to "blow-up" the survey results for each quarter. Because the sample size varies from quarter to quarter, and because of seasonal variations, new expansion factors must be computed for each survey and for each vehicle weight group. Annual provincial data were then compiled by combining the expanded data for each of the four quarterly surveys. The problems confronted in compiling national estimates are discussed under "Compilation of National Totals".



### Concepts:

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below along with the methods used to calculate them. The introductory material and the questions asked in the questionnaire might further assist the reader in appreciating the significance of some of the concepts included in this report. A copy of the questionnaire will be sent free of charge on request to anyone interested.

**Average yearly mileage per truck**—total annual mileage performed divided by the average number of vehicles registered, during the twelve month period.

**Net ton miles**—were obtained by multiplying the weight of each load carried by the distance it was transported. For vehicles engaged in intercity or rural operations, ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the owner or operator was requested to record the weight of the load on the truck at 10:00 a.m. and 3:00 p.m. or other more appropriate hours when a typical load was carried. From this information the average load carried during the week was calculated, which was multiplied by the total miles travelled during the week while loaded, to obtain net ton miles.

**Average distance each ton was carried**—total net ton miles performed divided by total tons of goods carried.

**Percentage of total mileage travelled empty**—annual empty mileage was computed by subtracting loaded miles from total miles for each truck. The annual number of empty miles performed were then taken as a percentage of total miles.

**Miles per gallon of gasoline (or diesel or other fuel) consumed**—total miles travelled during year divided by total gallons of gasoline consumed.

**Average weight carried**—total net ton miles performed divided by miles travelled with a load.

**Average net ton miles per truck**—total net ton miles performed during year divided by average annual truck population.

**Capacity ton miles**—the actual total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried whichever was larger.

**Average capacity ton miles per truck**—total capacity ton miles divided by average annual truck population.

**Percentage of capacity utilized**—net ton miles performed divided by capacity ton miles. This measures the effective utilization of motor vehicles on a ton mile basis rather than by weight carried.

**Gross ton miles**—weight of the vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for those in Quebec and British Columbia which were registered by tare weight.

**Average gross ton miles per truck**—total gross ton miles divided by average annual truck population.

### Compilation of National Estimates:

#### (a) Eliminating Duplication:

Because some vehicles are registered in more than one province and travel across provincial boundaries, it was necessary to compile national estimates by the addition of "within the province" statistics published in provincial reports. Traffic within a province is defined as that performed entirely inside the province by trucks registered in the province and includes the "within the province" portion of interprovincial and international traffic. The resulting national totals are slightly understated by the amount of traffic performed by vehicles operating outside of their home province on special permits or through provincial reciprocity. However, by simply adding total traffic performed (inside and outside of the province) by vehicles registered in each province considerable duplication in the national totals would have occurred.

Because vehicle operators were asked to indicate all provinces in which their vehicles were licensed, it was possible to estimate the degree of duplication and arrive at the net or actual truck population of Canada. Considering total registrations, the amount of duplication is comparatively small. During 1957 it is estimated that the actual truck population was 99.8 per cent of the annual average registrations. Actually licence duplication occurs only among for-hire and privately operated highway or intercity vehicles since farm and urban trucks are generally confined to traffic within provincial borders. The for-hire truck population is estimated at 97.4 per cent of total for-hire registrations while private intercity is 99.9 per cent of total private intercity registrations. Most of the vehicles licensed in more than one province are in the upper weight groups. Thus among the for-hire registrations in the gross vehicle weight group 20,001-30,000 lbs. the actual truck population in Canada amounts to 99.5 per cent of the total and in the 30,001-50,000 lbs. and over 50,000 lbs. weight groups, 92.1 and 93.3 per cent respectively. The extent of license duplication also varies according to whether a province issues special trip permits or enters into reciprocal arrangements with other provinces. (Appendix I includes estimates of the net or actual truck population in Canada).

If the actual truck population figures (net registrations) were used in the expansion of the survey results instead of the gross registration population, the resulting traffic data would also have been correspondingly reduced. The estimates of motor

transport traffic in Canada arrived at by this method should theoretically equal the national totals compiled by the summation of "within the province" data.

When vehicles engaged in interprovincial traffic are considered as a separate group, the amount of licence duplication approximates 50 per cent with variations among weight groups, types of vehicles and provinces. The "net registration" method was used to remove the duplication in the national totals of interprovincial traffic that would have resulted if provincial statistics of this type of traffic were added together. A less refined method of eliminating duplication in Canadian interprovincial traffic would be to summarize interprovincial traffic data reported for each province and reduce by 50 per cent.

It should be stressed however, that although we must reduce interprovincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when we begin to add provincial data together that difficulties arise.

#### (b) Weight Classifications:

Another problem in the preparation of useful national totals is the lack of provincial comparability in vehicle weight classifications.

All provinces license their trucks by gross vehicle weight, except Quebec and British Columbia which register by tare weight. Since there is no direct method of converting tare weight to gross vehicle weight the following technique was used: For each truck, the gross vehicle weight was estimated from the recorded tare weight and either the estimated carrying capacity or the weight of the heaviest load carried (whichever was larger). The gross vehicle weight of each tractor-trailer combination was estimated from the tare weight of the tractor, the estimated tare weight of the trailer and the weight of the heaviest load carried. This method provides only approximately equivalent gross vehicle weight groups and therefore exact provincial comparability for Quebec and British Columbia cannot be assured.

In Ontario, since tractors and trailers are licensed separately, the combined gross vehicle weight of the tractor-trailer combination had to be calculated by adding to the gross weight of the tractor the estimated tare weight of the trailer used and the weight of the heaviest load carried during the survey week. It was thus difficult to assign tractor-trailers to specific weight groups.

#### (c) Classification by Type of Operation:

In the compilation of statistics for each province, the existing provincial licensing system was used where possible to classify vehicles into the four functional categories of for-hire, private intercity, farm and urban. Unfortunately this method

does not provide closely comparable vehicle classes between provinces thus creating a serious problem in the provision of worthwhile national totals. An examination of the descriptions of the various vehicle classes which have been included in Appendix IV will reveal these variations. It may be noted, for example, that in Ontario a common or contract carrier licence is required for the transportation of commodities for compensation on any highway whereas, in Manitoba, such a licence is required for the transportation of commodities for compensation only beyond a 15 mile radius of the place of registration. On the other hand, in Saskatchewan a carrier licence is required only where compensation is received for the transportation of general merchandise on a specified route or charter or for the conveyance of commodities specified by the provincial highway traffic board.

In the case of urban classification, Manitoba and Alberta are the only two provinces which have a separate licence classification for urban trucks. In Manitoba urban trucks may operate within a fifteen mile radius of the place of registration whereas in Alberta such vehicles must operate within a five mile radius. In all other provinces, trucks which do not have a carrier licence and which operate exclusively within an urban area or within a five mile radius thereof as indicated from replies to the survey questionnaires, have been classified as urban. Since most provinces do not require a carrier licence for urban operations, trucks transporting commodities for compensation are included in the urban classification as well as privately operated trucks.

The three prairie provinces and Quebec issue separate farm licences to bona fide farmers using the vehicles for farm purposes. However, even among these provinces there are variations in definitions of farmers and commodities which can be transported.

#### Sources of Error in the Motor Transport Traffic Survey:

Estimates of annual average truck population are considered to be fairly accurate on the whole being calculated simply by multiplying the number in the sample by the inverse of the selection ratios. Incorrect estimates may arise, however, from instances whereby cancelled licences have not been deleted from registration records; where current licences have been removed from vehicle files for various reasons by provincial officials; or through various other circumstances which occur occasionally.

The four survey weeks during 1957 were chosen in such a manner as to maintain an even flow of work. Because the quarterly estimates were based entirely upon the results of a one week survey, it was possible to obtain an unrepresentative sample for the period; for example, a severe snow storm during the survey week might cause the quarterly



estimates to be considerably understated. However, a better cross-section of truck traffic was obtained during 1958 when each quarterly sample was spread over three survey weeks with one-third of the sample being used in one week per month. As a result it has been possible to obtain a sample of truck transportation which more accurately reflects seasonal influences.

Some bias may result from the fact that large operators are inclined to keep accurate records of their vehicle operations while many smaller and individual truck owners are not interested in keeping accurate detailed accounts. The information provided by these latter operators is often based more upon opinion than actual operating records. Another factor is the tendency of the larger for-hire and private intercity truckers to be more sympathetic with the objectives of the survey.

Improper reporting is another source of error in the estimates. This varies of course with the type of question asked but through careful editing procedures every effort is made to detect it.

As may be noted in Appendix II, about 25 per cent of the questionnaires were either not returned or were returned incomplete and unusable. The "blow-up" factors used in expanding the sample data were formulated upon the assumption that the vehicles represented by such questionnaires were used and not used in proportion to those vehicles from which completed questionnaires were received. Although this method might bias the estimates, it is a practical technique under the present circumstances.

Reliability of these estimates will tend to vary not only with the type of data collected but also with the size of the sample. Hence in any stratified sample, more reliable results are expected for total figures based upon a relatively large number of returns, rather than for any segment. This has imposed a limit upon the degree of detail possible. Probably

the most reliable estimates are vehicle operating averages such as average yearly mileage. Tests of reliability have still to be carried out and the results will be published at a later date. However, the general estimates obtained so far have shown stability in successive surveys and generally seem to conform with the results expected by major users of the data including trucking associations.

### Response to Survey:

During the year, survey questionnaires were sent to the owners or operators of 100,846 motor vehicles. Of this number, 45,750 or 45.4 per cent were returned completed and 29,736 vehicles or 29.5 per cent were reported not used. In addition, 15,208 questionnaires or 15.1 per cent were returned with insufficient information and were therefore unusable. Non response totalled 10,152 or 10.0 per cent. As the questionnaires in the not used category are considered equivalent to completed returns, the total number of usable questionnaires amounted to 75,486 or 74.9 per cent of the sample.

Although 15,208 questionnaires were not completed, this should not be taken as an indication of the degree of non-co-operation since some of the truck owners involved had sold the particular vehicle in question or could not be reached because of a change of address. Other vehicle owners in this category made some attempt to answer the questions but their reports could not be used because they were completed incorrectly. It is quite possible more questionnaires would have been completed properly by this latter group, if personal contact had been used extensively as part of the follow-up procedure.

Response from for-hire truck owners was very favourable. This probably results from their direct interest in obtaining reliable trucking statistics and from the excellent co-operation of the trucking associations which have urged their members to complete the questionnaires.

## REVIEW OF SURVEY RESULTS

Excluding vehicles that do not perform transportation services, the average number of trucks licensed in Canada, as indicated from provincial registration records amounted to 832,055. Of these 46,344 or 5.6 per cent were for-hire carriers; 214,992 or 25.8 per cent were private intercity trucks; 278,891 or 33.5 per cent were private trucks operated predominantly within urban areas; and 291,828 or 35.1 per cent were farm trucks. More than one quarter of the total number of trucks were registered in Ontario and almost one half or 412,260 were registered in the two provinces of Ontario and Quebec.

In the tables presented, blanks appear in a number of cells indicating that no vehicles were selected in any of the quarterly samples. It does

not necessarily follow that there were no vehicles in the provinces belonging to these particular cells or categories.

### Section I. Total Truck Traffic in Canada

The total number of miles travelled by all trucks registered in Canada during the year 1957, amounted to 5,645 million of which 15 per cent was accounted for by for-hire trucks, 37 per cent by private intercity vehicles, 31 per cent by urban trucks and 17 per cent by farm trucks, the most numerous of all vehicles. The average distance travelled ranged from 3,400 miles for farm trucks to 18,200 for public carriers or for-hire vehicles. The average yearly mileage travelled by all trucks registered in Canada was 6,800 miles.

Nearly three-quarters of all trucks registered in Canada had a gross vehicle weight of five tons or under. The average yearly mileage travelled by trucks in this group was generally below those of trucks in other weight groups and they travelled empty approximately 60 per cent of the time carrying an average load of less than one-half ton. As a result, net ton miles performed amounted to 672 million or only 7 per cent of the total for all trucks. Therefore, those vehicles with a gross vehicle weight of over five tons, comprising approximately one-quarter of the total trucks registered, performed 93 per cent of the road transportation services of the country, measured in terms of net ton miles.

## Section II. For-Hire Truck Traffic in Canada

Although for-hire trucks amounted to only 5.6 per cent of all trucks registered, they accounted for 48.3 per cent of total net ton miles performed by all trucks. This results not only from the comparatively high average yearly mileage of for-hire trucks (18,200 as opposed to 6,800 for all trucks) but also from the heavier average load carried (8.2 tons as compared with an average of 3.5 tons for all trucks). The heavier loads carried by for-hire trucks are to be expected, as nearly 32 per cent of these vehicles have a gross vehicle weight of over 15 tons whereas less than 3 per cent of all other classes combined are in this upper weight group. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon of gasoline of 6.6 as compared with a ratio of 10.3 for all vehicles.

Of total for-hire trucks registered, more than half or 25,884 were in the two provinces of Ontario and Quebec and accounted for over 60 per cent of total miles travelled by such vehicles in Canada, more than 66 per cent of net ton miles performed and approximately 58 per cent of total tons of goods carried. For-hire trucks in Quebec and Ontario tended to travel fewer empty miles and the percentage of capacity utilized was higher.

The total amount of revenue received by for-hire carriers registered in Canada amounted to 381 million dollars or an average of 8,200 dollars per vehicle. Revenue per ton mile was 8.2 cents and revenue per mile amounted to 45.1 cents. The highest revenue per ton mile, 17.6 cents, was in the province of Newfoundland, which was more than twice the average for Canada. The lowest, 7.0 cents, was charged by Saskatchewan registered trucks.

## Section III. Private Intercity Truck Traffic in Canada

Private intercity vehicles in Canada numbered 214,992, almost 26 per cent of total vehicles registered, or more than four times the number of for-hire vehicles. Total mileage travelled by this group amounted to 2,089 million miles or almost three times that of for-hire vehicles. On the other hand, net ton miles amounted to 70.2 per cent and gross ton miles 97.3 per cent of that performed by the

for-hire group. About 75 per cent of the net ton miles performed by these vehicles in Canada was in Ontario and Quebec.

## Section IV. Urban Truck Traffic in Canada

Urban vehicles numbered 278,891, and accounted for 33.5 per cent of all trucks registered in Canada. Over 40 per cent of urban trucks were licensed in Ontario.

Average yearly mileage for all urban trucks was 6,200, substantially below that of both for-hire and private intercity trucks. Average weight carried was only 1.4 tons compared with 8.2 and 3.6 tons by for-hire and private intercity trucks respectively. Percentage of capacity utilized was 31.1 per cent, considerably below the national average of 39.8 per cent for all trucks. As a result, average net ton miles for urban trucks was comparatively low at 4,800 and total net ton miles performed by this group was only 13.8 per cent of the total for Canada. The percentage of total mileage travelled empty by urban trucks was 45.5 resulting from some of these vehicles having no return loads and from others operated for personal transportation.

## Section V. Farm Truck Traffic in Canada

The majority of farm trucks in Canada, 170,669 out of 291,828 or 58.5 per cent, were registered in the prairie provinces. In Manitoba, 55.9 per cent and in Alberta, 56.6 per cent of all trucks were farm vehicles. However, the highest concentration of farm trucks was in Saskatchewan where over 78 per cent of all trucks registered were farm vehicles. The average farm truck engaged in less traffic than any other class of vehicle. This can partly be attributed to the fall off of farm operations during winter months, particularly in the prairie provinces.

## Section VI. Intraprovincial Traffic of For-hire and Private Intercity Trucks

This section presents a summary of intraprovincial traffic performed in individual provinces by for-hire and private intercity trucks. Statistics of intraprovincial traffic included here concern intercity operations originating and terminating within the borders of each province and excludes interprovincial and international traffic as well as traffic performed outside each province in which the vehicles are surveyed.

Of the total net ton miles performed by for-hire and private intercity trucks, manufactures and miscellaneous commodities accounted for 50 and 46 per cent respectively. Each ton of manufactures was carried approximately 90 miles by for-hire vehicles compared with 42 miles by private intercity trucks. In terms of total weight of goods carried, mine products was the chief commodity group for both classes of vehicles, amounting to 54 per cent for public carriers and 52 per cent for private intercity trucks.



**Section VII. Interprovincial and International Traffic**

In compiling the statistics in this section, due allowance was made for vehicles licensed in more than one province in order to avoid duplication.

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than on the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries from or to points outside the survey province. Interchange traffic, that is the movement of goods to border points by one vehicle with trans-shipment to another vehicle, has not been included. Similarly road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, are excluded from this section.

On the present basis of sampling motor transport traffic, comparatively few trucks engaged in interprovincial and international traffic are included in these surveys and as a result wholly reliable estimates of such traffic have not been obtained.

Hence, the data in this section of the report should be used with considerable caution.

For-hire trucks engaged in interprovincial traffic carried 2,492,000 tons of commodities of which almost 71 per cent was transported between the provinces of Quebec and Ontario. Of the total weight of goods carried by for-hire trucks, 59 per cent was manufactures and miscellaneous products. The average length of haul was 406 miles or nearly ten times the average length in intraprovincial traffic.

Private intercity trucks transported 908,000 tons of goods in interprovincial service of which 80 per cent was moved between Quebec and Ontario. Forest products and manufactures together comprised 76 per cent of the total weight of goods carried by private intercity trucks. The average length of haul was 192 miles or about half the average distance of for-hire commodity movements.

In international service, 633,000 tons of goods were transported from the United States to Canada while 782,000 tons were exported to the United States.

## SECTION I. TOTAL TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled .....	'000	845,025	2,088,835	1,727,339	983,862	5,645,061
Average yearly mileage per truck .....		18,200	9,700	6,200	3,400	6,800
Average distance each ton was carried .....		37.0	23.5	8.6	13.6	21.5
Percentage of total mileage travelled empty .....		32.6	56.5	45.5	65.7	51.2
Fuel:						
Total gallons of gasoline consumed .....	'000	114,192	194,978	153,563	74,324	537,057
Miles per gallon of gasoline .....		6.6	10.5	11.2	13.2	10.3
Total gallons of diesel oil consumed .....	'000	15,087	4,521	879	—	20,487
Miles per gallon of diesel oil .....		6.0	5.9	5.9	—	6.0
Total gallons of other fuel consumed .....	'000	421	783	12	—	1,216
Miles per gallon of other fuel .....		6.1	6.5	6.5	—	6.4
Weight of goods carried:						
Total tons of goods carried .....	'000	126,262	139,096	154,930	28,567	448,855
Average weight carried <sup>1</sup> .....	ton	8.2	3.6	1.4	1.2	3.5
Net ton miles:						
Total net ton miles performed .....	'000	4,666,800	3,274,579	1,327,743	389,103	9,658,225
Average net ton miles per truck .....		100,700	15,200	4,800	1,300	11,600
Capacity ton miles:						
Total capacity ton miles <sup>2</sup> .....	'000	9,759,635	8,578,495	4,273,070	1,683,551	24,294,751
Average capacity ton miles per truck .....		210,600	39,900	15,300	5,800	29,200
Percentage of capacity utilized .....		47.8	38.2	31.1	23.1	39.8
Gross ton miles:						
Total gross ton miles <sup>3</sup> .....	'000	9,914,248	9,646,428	5,682,958	2,501,393	27,745,027
Average gross ton miles per truck .....		213,900	44,900	20,400	8,600	33,300
Revenue:						
Total revenue .....	\$'000	380,759	—	—	—	—
Revenue per ton mile .....	¢	8.2	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	45.1	—	—	—	—
Average revenue per truck .....	\$	8,200	—	—	—	—

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	15-25 tons	Over 25 tons	Total
<b>Mileage:</b>								
Total mileage travelled .....	'000 1,912,458	1,582,155	318,300	475,692	598,692	471,296	286,468	5,645,061
Average yearly mileage per truck .....	5,700	5,600	5,600	6,500	11,500	17,900	35,800	6,800
Average distance each ton was carried .....	16.9	12.0	13.2	14.2	13.2	24.1	93.9	21.5
Percentage of total mileage travelled empty .....	66.6	51.6	36.2	38.0	41.4	37.4	27.5	51.2
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 125,308	121,298	32,428	57,608	83,548	75,451	41,416	537,057
Miles per gallon of gasoline .....	15.3	13.0	9.8	8.2	7.1	5.6	5.1	10.3
Total gallons of diesel oil consumed .....	'000 —	—	24	108	717	7,546	12,092	20,487
Miles per gallon of diesel oil .....	—	—	9.5	9.1	6.2	6.0	6.0	6.0
Total gallons of other fuel consumed .....	'000 18	80	6	92	611	54	355	1,216
Miles per gallon of other fuel .....	16.1	11.2	7.0	9.6	6.4	4.5	4.2	6.4
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 11,580	39,762	30,958	69,340	148,293	119,714	29,208	448,855
Average weight carried <sup>1</sup> .....	ton 0.3	0.6	2.0	3.3	5.6	9.8	13.2	3.5
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 195,850	476,051	410,127	985,518	1,962,848	2,885,220	2,742,611	9,658,225
Average net ton miles per truck .....	600	1,700	7,200	13,400	37,900	109,600	342,800	11,600
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 1,561,416	2,171,685	1,105,086	2,600,869	4,763,654	6,569,327	5,522,714	24,294,751
Average capacity ton miles per truck .....	4,700	7,700	19,300	35,400	91,900	249,500	690,300	29,200
Percentage of capacity utilized .....	12.5	21.9	37.1	37.9	41.2	43.9	49.7	39.8
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 3,173,093	3,814,834	1,486,069	2,895,581	4,785,114	6,069,486	5,520,850	27,745,027
Average gross ton miles per truck .....	9,500	13,500	26,000	39,400	92,300	230,500	690,100	33,300

## SECTION II. FOR HIRE TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled .....	5,869	2,852	33,928	12,368	197,826	310,544
Average yearly mileage per truck .....	8,300	13,100	14,300	11,600	16,400	22,500
Average distance each ton was carried .....	10.4	28.7	13.1	26.1	34.7	46.9
Percentage of total mileage travelled empty .....	43.2	42.2	40.3	36.5	26.1	30.5
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	604	314	4,064	1,706	24,460	44,631
Miles per gallon of gasoline .....	9.7	9.1	8.3	7.2	7.1	6.2
Total gallons of diesel oil consumed .....	—	—	14	15	3,935	5,217
Miles per gallon of diesel oil .....	—	—	6.8	7.0	6.1	6.6
Total gallons of other fuel consumed .....	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	1,008	325	7,913	1,820	28,830	44,499
Average weight carried <sup>1</sup> .....	3.1	5.7	5.1	6.0	6.8	9.7
<b>Net ton miles:</b>						
Total net ton miles performed .....	10,430	9,330	103,895	47,493	1,000,717	2,085,348
Average net ton miles per truck .....	14,800	43,000	43,700	44,500	82,800	151,100
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	23,752	20,146	231,633	113,486	1,907,802	4,280,504
Average capacity ton miles per truck .....	33,800	92,800	97,500	106,400	157,900	310,100
Percentage of capacity utilized .....	43.9	46.3	44.9	41.8	52.5	48.7
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	29,497	22,510	251,855	113,520	2,016,402	4,307,131
Average gross ton miles per truck .....	42,000	103,700	106,000	106,400	166,900	312,000
<b>Revenue:</b>						
Total revenue .....	\$'000 1,831	716	10,978	4,295	94,823	151,940
Revenue per ton mile .....	¢ 17.6	7.7	10.6	9.0	9.5	7.3
Revenue per mile (total mileage travelled) .....	¢ 31.2	25.1	32.4	34.7	47.9	48.9
Average revenue per truck .....	\$ 2,600	3,300	4,600	4,000	7,800	11,000
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled .....	24,402	45,163	138,876	73,197	845,025	
Average yearly mileage per truck .....	19,400	27,900	16,300	15,500	18,200	
Average distance each ton was carried .....	71.2	112.1	32.1	22.5	37.0	
Percentage of total mileage travelled empty .....	24.2	37.9	42.4	34.9	32.6	
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	3,727	6,584	18,539	9,563	114,192	
Miles per gallon of gasoline .....	6.3	6.4	6.6	6.1	6.6	
Total gallons of diesel oil consumed .....	118	415	2,600	2,773	15,087	
Miles per gallon of diesel oil .....	6.5	6.4	5.4	5.2	6.0	
Total gallons of other fuel consumed .....	—	40	319	62	421	
Miles per gallon of other fuel .....	—	4.9	6.4	5.0	6.1	
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	1,640	2,077	20,989	17,161	126,262	
Average weight carried <sup>1</sup> .....	6.3	8.3	8.4	8.1	8.2	
<b>Net ton miles:</b>						
Total net ton miles performed .....	116,751	232,859	673,644	386,333	4,666,800	
Average net ton miles per truck .....	92,800	143,900	79,300	81,800	100,700	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	261,904	560,880	1,492,745	866,783	9,759,635	
Average capacity ton miles per truck .....	208,200	346,700	175,600	183,500	210,600	
Percentage of capacity utilized .....	44.6	41.5	45.1	44.6	47.8	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	268,405	530,997	1,500,380	873,551	9,914,248	
Average gross ton miles per truck .....	213,400	328,200	176,500	185,000	213,900	
<b>Revenue:</b>						
Total revenue .....	\$'000 9,609	16,295	48,652	41,620	380,759	
Revenue per ton mile .....	¢ 8.2	7.0	7.2	10.8	8.2	
Revenue per mile (total mileage travelled) .....	¢ 39.4	36.1	35.0	56.9	45.1	
Average revenue per truck .....	\$ 7,600	10,100	5,700	8,800	8,200	



TABLE 2. 0-5 Tons, Gross Vehicle Weight\*

		Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	8,740	23,864	6,344	1,006	1,668	3,703	5,895	51,220
Average yearly mileage per truck .....		9,000	11,700	10,800	8,900	20,300	6,400	10,300	10,400
Average distance each ton was carried .....		14.2	21.2	5.1	38.5	53.4	28.8	16.8	13.5
Percentage of total mileage travelled empty .....		39.8	28.3	33.7	28.0	39.4	30.5	27.5	31.4
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	695	1,979	634	91	161	293	507	4,360
Miles per gallon of gasoline .....		12.6	12.1	10.0	11.0	10.4	12.6	11.6	11.7
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>									
Total tons of goods carried .....	'000	410	696	1,101	25	15	83	352	2,682
Average weight carried <sup>1</sup> .....	ton	1.1	0.9	1.3	1.3	0.8	0.9	1.4	1.0
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	5,805	14,781	5,605	964	801	2,392	5,936	36,284
Average net ton miles per truck .....		6,000	7,300	9,600	8,500	9,800	4,200	10,300	7,300
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>1</sup> .....	'000	14,554	37,765	13,252	1,686	2,700	5,988	14,413	90,358
Average capacity ton miles per truck .....		15,000	18,600	22,700	14,900	32,900	10,400	25,100	18,300
Percentage of capacity utilized .....		39.9	39.1	42.3	57.2	29.7	39.9	41.2	40.2
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	24,145	67,286	21,105	3,453	4,816	10,160	20,077	151,042
Average gross ton miles per truck .....		24,800	33,100	36,100	30,600	58,700	17,600	35,000	30,600
<b>Revenue:</b>									
Total revenue .....	\$'000	1,991	6,324	1,195	168	105	527	2,080	12,390
Revenue per ton mile .....	¢	34.3	42.8	21.3	17.5	13.1	22.0	35.0	34.1
Revenue per mile (total mileage travelled) .....	¢	22.8	26.5	18.8	16.7	6.3	14.2	35.3	24.2
Average revenue per truck .....	\$	2,000	3,100	2,000	1,500	1,300	900	3,600	2,500

\*Because there were relatively few for-hire vehicles of 0-2½ tons gross vehicle weight reporting in most provinces, weight groups 0-2½ and 2½-5 tons have been combined here.

TABLE 3. 5-7½ Tons, Gross Vehicle Weight

		Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	5,147	24,313	6,095	933	418	3,690	4,796	45,392
Average yearly mileage per truck .....		7,600	11,100	9,200	14,400	11,900	16,200	12,700	10,700
Average distance each ton was carried .....		9.9	20.2	14.3	39.3	6.1	37.2	9.9	16.1
Percentage of total mileage travelled empty .....		37.7	20.8	31.0	17.2	65.5	59.0	34.1	28.9
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	535	2,613	618	97	47	416	519	4,845
Miles per gallon of gasoline .....		9.6	9.3	9.9	9.6	8.9	8.9	9.3	9.4
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>									
Total tons of goods carried .....	'000	1,020	2,339	536	42	35	84	707	4,763
Average weight carried <sup>1</sup> .....	ton	3.1	2.4	1.8	2.1	1.5	2.1	2.2	2.4
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	10,060	47,165	7,658	1,633	212	3,125	7,026	76,879
Average net ton miles per truck .....		14,900	21,500	11,600	25,100	6,100	13,700	18,600	18,200
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>3</sup> .....	'000	23,026	87,631	19,560	3,854	1,465	14,319	17,926	167,781
Average capacity ton miles per truck .....		34,200	40,000	29,600	59,300	41,900	62,800	47,400	39,600
Percentage of capacity utilized .....		43.7	53.8	39.2	42.4	14.5	21.8	39.2	45.8
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	27,700	126,984	28,222	4,908	1,629	16,020	23,321	228,784
Average gross ton miles per truck .....		41,100	57,900	42,800	75,500	46,500	70,300	61,700	54,000
<b>Revenue:</b>									
Total revenue .....	\$'000	1,840	9,457	3,241	238	42	566	2,064	17,448
Revenue per ton mile .....	¢	18.3	20.1	42.3	14.6	19.8	18.1	29.4	22.7
Revenue per mile (total mileage travelled) .....	¢	35.7	38.9	53.2	25.5	10.0	15.3	43.0	38.4
Average revenue per truck .....	\$	2,700	4,300	4,900	3,700	1,200	2,500	5,500	4,100

TABLE 4. 7½ - 10 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 12,012	24,288	33,347	4,242	2,574	18,292	5,866	100,621
Average yearly mileage per truck .....	9,800	14,100	12,400	22,900	19,100	9,400	8,800	11,800
Average distance each ton was carried .....	12.2	24.7	14.4	55.9	57.7	17.7	16.6	17.4
Percentage of total mileage travelled empty .....	45.4	22.0	30.2	24.3	30.5	44.1	32.0	32.4
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 1,443	3,006	4,179	527	295	2,113	757	12,320
Miles per gallon of gasoline .....	8.3	7.9	8.0	8.1	8.7	8.7	7.7	8.1
Total gallons of diesel oil consumed .....	'000 —	72	—	—	—	—	—	72
Miles per gallon of diesel oil .....	—	8.8	—	—	—	—	—	8.8
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	1	—	1
Miles per gallon of other fuel .....	—	—	—	—	—	12.3	—	12.3
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 2,601	2,605	5,480	175	109	2,353	846	14,170
Average weight carried <sup>1</sup> .....	ton 4.8	3.4	3.4	3.1	3.5	4.1	3.5	3.6
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 31,769	64,397	78,838	9,822	6,280	41,679	14,040	246,825
Average net ton miles per truck .....	25,900	37,300	29,400	53,100	46,500	21,500	21,100	28,800
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 73,532	126,176	183,655	22,053	16,570	108,841	36,356	567,183
Average capacity ton miles per truck .....	59,900	73,000	68,500	119,200	122,700	56,200	54,800	66,300
Percentage of capacity utilized .....	43.2	51.0	42.9	44.5	37.9	38.3	38.6	43.5
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 79,921	160,292	214,002	26,651	17,159	118,638	38,089	654,752
Average gross ton miles per truck .....	65,100	92,800	79,800	144,100	127,100	61,200	57,400	76,500
<b>Revenue:</b>								
Total revenue .....	\$'000 4,015	8,947	12,053	1,372	978	5,105	2,852	35,322
Revenue per ton mile .....	¢ 12.6	13.9	15.3	14.0	15.6	12.2	20.3	14.3
Revenue per mile (total mileage travelled) .....	¢ 33.4	36.8	36.1	32.4	38.0	27.9	48.6	35.1
Average revenue per truck .....	\$ 3,300	5,200	4,500	7,400	7,200	2,600	4,300	4,100

TABLE 5. 10-15 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 21,458	35,590	73,801	5,168	8,130	63,298	21,062	228,507
Average yearly mileage per truck .....	17,500	15,700	15,900	29,000	24,800	16,200	14,400	16,300
Average distance each ton was carried .....	11.4	20.8	14.0	42.8	43.9	20.2	9.3	15.7
Percentage of total mileage travelled empty .....	42.7	32.3	42.2	28.9	38.4	45.4	38.8	40.9
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 2,741	4,949	9,909	705	979	8,796	3,253	31,332
Miles per gallon of gasoline .....	7.8	7.2	7.4	7.3	8.3	6.7	6.3	7.1
Total gallons of diesel oil consumed .....	'000 —	—	46	—	—	451	110	607
Miles per gallon of diesel oil .....	—	—	8.5	—	—	6.1	5.7	6.2
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	206	—	206
Miles per gallon of other fuel .....	—	—	—	—	—	7.7	—	7.7
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 6,539	6,034	19,279	371	542	12,285	7,941	52,991
Average weight carried <sup>1</sup> .....	ton 6.1	5.2	6.3	4.3	4.8	7.2	5.7	6.2
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 74,724	125,313	270,537	15,917	23,796	248,180	73,712	832,179
Average net ton miles per truck .....	61,000	55,100	58,100	89,400	72,500	63,300	50,400	59,300
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 171,434	273,169	610,674	36,938	63,815	568,121	169,455	1,893,606
Average capacity ton miles per truck .....	139,900	120,100	131,200	207,500	194,600	145,000	115,700	134,900
Percentage of capacity utilized .....	43.6	45.9	44.3	43.0	37.3	43.7	43.5	43.9
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 177,680	277,919	627,512	39,325	61,641	554,828	175,152	1,914,057
Average gross ton miles per truck .....	145,000	122,200	134,900	220,900	187,900	141,600	119,600	136,300
<b>Revenue:</b>								
Total revenue .....	\$'000 6,917	14,715	21,993	1,532	2,279	20,199	9,964	77,599
Revenue per ton mile .....	¢ 9.3	11.7	8.1	9.6	9.6	8.1	13.5	9.3
Revenue per mile (total mileage travelled) .....	¢ 32.2	41.3	29.8	29.6	28.0	31.9	47.3	34.0
Average revenue per truck .....	\$ 5,600	6,500	4,700	8,600	6,900	5,200	6,800	5,500



TABLE 6. 15-25 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled ..... '000	5,414	89,771	44,629	7,685	26,835	26,237	14,586	215,157
Average yearly mileage per truck .....	27,600	23,300	24,900	18,700	29,700	22,400	15,900	23,300
Average distance each ton was carried .....	75.7	43.7	45.2	83.5	137.4	39.4	16.0	43.3
Percentage of total mileage travelled empty .....	30.0	25.7	35.3	20.9	40.8	39.7	41.4	32.3
<b>Fuel:</b>								
Total gallons of gasoline consumed ..... '000	867	11,913	7,679	1,366	4,506	4,117	2,678	33,126
Miles per gallon of gasoline .....	6.2	5.6	5.6	5.6	5.8	5.8	5.2	5.6
Total gallons of diesel oil consumed ..... '000	—	3,863	196	—	116	448	114	4,737
Miles per gallon of diesel oil .....	—	6.1	7.1	—	6.7	5.4	5.7	6.1
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	30	—	30
Miles per gallon of other fuel .....	—	—	—	—	—	4.0	—	4.0
<b>Weight of goods carried:</b>								
Total tons of goods carried ..... '000	399	17,156	5,281	464	1,140	4,147	5,128	33,715
Average weight carried <sup>1</sup> ..... ton	8.0	11.2	8.3	6.4	9.9	10.3	9.6	10.0
<b>Net ton miles:</b>								
Total net ton miles performed ..... '000	30,188	749,061	238,865	38,743	156,725	163,521	82,220	1,459,328
Average net ton miles per truck .....	154,000	194,500	133,100	94,000	173,600	139,400	89,800	157,800
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> ..... '000	67,929	1,383,061	601,937	103,488	379,429	371,099	198,835	3,105,778
Average capacity ton miles per truck .....	346,600	359,100	335,300	251,200	420,200	316,400	217,100	335,900
Percentage of capacity utilized .....	44.4	54.2	39.7	37.4	41.3	44.1	41.4	47.0
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> ..... '000	67,817	1,383,921	555,620	92,148	343,994	347,470	178,111	2,969,081
Average gross ton miles per truck .....	346,000	359,400	309,500	223,700	380,900	296,200	194,400	321,100
<b>Revenue:</b>								
Total revenue ..... \$'000	1,949	55,380	21,409	3,418	10,017	10,033	9,169	111,375
Revenue per ton mile ..... ¢	6.5	7.4	9.0	8.8	6.4	6.1	11.2	7.6
Revenue per mile (total mileage travelled) ..... ¢	36.0	61.7	48.0	44.5	37.3	38.2	62.9	51.8
Average revenue per truck ..... \$	9,900	14,400	11,900	8,300	11,100	8,600	10,000	12,000

TABLE 7. Over 25 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled ..... '000	2,246	—	146,328	5,368	5,538	23,656	20,992	204,128
Average yearly mileage per truck .....	33,500	—	42,700	17,600	41,000	35,500	28,900	38,300
Average distance each ton was carried .....	191.8	—	115.7	88.4	190.9	105.4	93.0	112.3
Percentage of total mileage travelled empty .....	12.2	—	23.1	24.8	23.7	35.1	29.3	25.0
<b>Fuel:</b>								
Total gallons of gasoline consumed ..... '000	407	—	21,612	941	596	2,804	1,849	28,209
Miles per gallon of gasoline .....	5.0	—	5.3	4.9	5.8	5.2	4.1	5.2
Total gallons of diesel oil consumed ..... '000	29	—	4,975	118	299	1,701	2,549	9,671
Miles per gallon of diesel oil .....	6.8	—	6.6	6.5	6.3	5.2	5.2	6.0
Total gallons of other fuel consumed ..... '000	—	—	—	—	40	82	62	184
Miles per gallon of other fuel .....	—	—	—	—	4.9	4.0	5.0	4.5
<b>Weight of goods carried:</b>								
Total tons of goods carried ..... '000	97	—	12,822	562	236	2,037	2,187	17,941
Average weight carried <sup>1</sup> ..... ton	9.4	—	13.2	12.3	10.7	14.0	13.7	13.2
<b>Net ton miles:</b>								
Total net ton miles performed ..... '000	18,602	—	1,483,845	49,667	45,045	214,747	203,399	2,015,305
Average net ton miles per truck .....	277,600	—	432,900	162,800	333,700	322,400	279,800	378,200
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> ..... '000	38,542	—	2,851,426	93,885	96,901	424,377	429,798	3,934,929
Average capacity ton miles per truck .....	575,300	—	831,800	307,800	717,800	637,200	591,200	738,500
Percentage of capacity utilized .....	48.3	—	52.0	52.9	46.5	50.6	47.3	51.2
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> ..... '000	40,119	—	2,860,670	101,920	101,758	453,264	438,801	3,996,532
Average gross ton miles per truck .....	598,800	—	834,500	334,200	753,800	680,600	603,600	750,100
<b>Revenue:</b>								
Total revenue ..... \$'000	1,108	—	92,049	2,881	2,874	12,222	15,491	126,625
Revenue per ton mile ..... ¢	6.0	—	6.2	5.8	6.4	5.7	7.6	6.3
Revenue per mile (total mileage travelled) ..... ¢	49.3	—	62.9	53.7	51.9	51.7	73.8	62.0
Average revenue per truck ..... \$	16,500	—	26,900	9,400	21,300	18,400	21,300	23,800

## SECTION III. PRIVATE INTERCITY TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	19,717	10,742	116,952	96,824	461,410	756,417
Average yearly mileage per truck .....	5,800	8,900	8,100	8,900	12,500	10,000
Average distance each ton was carried .....	14.9	16.8	13.2	13.5	22.4	30.9
Percentage of total mileage travelled empty .....	61.1	57.2	65.7	55.1	46.6	55.3
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	1,459	855	9,661	9,002	48,803	73,882
Miles per gallon of gasoline .....	13.5	12.6	12.1	10.7	9.3	10.0
Total gallons of diesel oil consumed ..... '000	—	—	—	36	1,578	2,231
Miles per gallon of diesel oil .....	—	—	—	10.0	5.8	6.2
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	71
Miles per gallon of other fuel .....	—	—	—	—	—	7.1
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	778	448	7,664	10,924	46,086	46,388
Average weight carried <sup>1</sup> ..... ton	1.5	1.6	2.5	3.4	4.2	4.2
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	11,613	7,516	101,290	147,252	1,030,968	1,431,952
Average net ton miles per truck .....	3,400	4,800	7,100	13,500	27,900	18,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>1</sup> ..... '000	37,779	24,800	313,471	391,799	2,521,919	3,597,426
Average capacity ton miles per truck .....	11,100	15,800	21,800	36,000	68,400	47,400
Percentage of capacity utilized .....	30.7	30.3	32.3	37.6	40.9	39.8
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	55,874	32,705	406,509	442,637	2,571,065	4,054,368
Average gross ton miles per truck .....	16,400	20,900	28,300	40,700	69,700	53,500
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	32,558	102,026	252,544	239,645	2,088,835	
Average yearly mileage per truck .....	13,600	10,500	8,500	7,900	9,700	
Average distance each ton was carried .....	30.8	19.1	32.8	16.7	23.5	
Percentage of total mileage travelled empty .....	38.9	55.6	65.2	68.7	56.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	3,386	9,645	18,748	19,537	194,978	
Miles per gallon of gasoline .....	9.5	10.5	13.3	12.1	10.5	
Total gallons of diesel oil consumed ..... '000	27	63	—	586	4,521	
Miles per gallon of diesel oil .....	7.0	4.9	—	5.0	5.9	
Total gallons of other fuel consumed ..... '000	29	32	600	51	783	
Miles per gallon of other fuel .....	5.5	6.2	6.4	8.1	6.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	1,331	7,727	3,696	14,054	139,096	
Average weight carried <sup>1</sup> ..... ton	2.1	3.3	1.4	3.1	3.6	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	40,940	147,717	121,056	234,275	3,274,579	
Average net ton miles per truck .....	17,100	15,100	4,100	7,800	15,200	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>1</sup> ..... '000	133,595	389,642	468,427	699,637	8,578,495	
Average capacity ton miles per truck .....	55,800	39,900	15,800	23,100	39,900	
Percentage of capacity utilized .....	30.6	37.9	25.8	33.5	38.2	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	150,462	460,493	626,010	846,305	9,646,428	
Average gross ton miles per truck .....	62,800	47,200	21,100	28,000	44,900	



TABLE 2. 0-2½ Tons, Gross Vehicle Weight

		Atlantic provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	20,112	76,426	345,970	—	47,861	177,532	110,602	778,503
Average yearly mileage per truck .....		5,400	10,100	7,900	—	9,800	8,400	6,900	8,000
Average distance each ton was carried .....		16.8	29.0	23.5	—	23.4	23.3	21.5	24.0
Percentage of total mileage travelled empty .....		69.0	59.5	72.7	—	67.5	71.0	76.8	71.2
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	1,240	5,118	22,474	—	3,044	11,111	6,820	49,807
Miles per gallon of gasoline .....		16.2	14.9	15.4	—	15.7	16.0	16.2	15.6
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	18	—	18
Miles per gallon of other fuel .....		—	—	—	—	—	15.8	—	15.8
<b>Weight of goods carried:</b>									
Total tons of goods carried .....	'000	107	732	1,517	—	377	522	654	3,909
Average weight carried <sup>1</sup> .....	ton	0.3	0.7	0.4	—	0.6	0.2	0.6	0.4
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	1,793	21,233	35,697	—	8,825	12,142	14,105	93,795
Average net ton miles per truck .....		500	2,800	800	—	1,800	600	900	1,000
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>2</sup> .....	'000	15,571	87,136	275,006	—	42,840	138,210	97,089	655,852
Average capacity ton miles per truck .....		4,200	11,600	6,300	—	8,800	6,500	6,100	6,700
Percentage of capacity utilized .....		11.5	24.4	13.0	—	20.6	8.8	14.5	14.3
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	32,552	141,343	584,934	—	89,422	252,076	185,540	1,285,867
Average gross ton miles per truck .....		8,800	18,800	13,300	—	18,400	11,900	11,600	13,200

TABLE 3. 2½-5 Tons, Gross Vehicle Weight

		Atlantic provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	139,070	137,082	102,424	19,169	14,129	36,930	72,052	520,856
Average yearly mileage per truck .....		7,300	10,900	8,600	12,500	9,100	7,900	8,100	8,600
Average distance each ton was carried .....		15.1	26.8	17.6	38.6	23.1	24.6	23.8	20.7
Percentage of total mileage travelled empty .....		70.1	47.6	44.8	42.5	54.1	61.2	75.1	57.8
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	9,452	10,451	8,388	1,516	1,164	2,795	5,031	38,797
Miles per gallon of gasoline .....		14.7	13.1	12.2	12.6	12.1	13.1	14.3	13.4
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000	—	—	32	—	—	29	19	80
Miles per gallon of other fuel .....		—	—	10.7	—	—	10.6	12.7	11.2
<b>Weight of goods carried:</b>									
Total tons of goods carried .....	'000	1,602	1,907	2,556	134	245	336	382	7,162
Average weight carried <sup>1</sup> .....	ton	0.6	0.7	0.8	0.5	0.9	0.6	0.5	0.7
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	24,218	51,093	44,941	5,170	5,653	8,277	9,085	148,437
Average net ton miles per truck .....		1,300	4,100	3,800	3,400	3,600	1,800	1,000	2,500
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>2</sup> .....	'000	170,900	181,913	154,572	26,267	23,016	46,766	79,214	682,648
Average capacity ton miles per truck .....		8,900	14,400	13,000	17,200	14,800	10,000	8,900	11,300
Percentage of capacity utilized .....		14.2	28.1	29.1	19.7	24.6	17.7	11.5	21.7
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	297,521	329,189	274,538	46,791	41,137	87,501	144,018	1,220,695
Average gross ton miles per truck .....		15,500	26,100	23,200	30,600	26,400	18,600	16,200	20,300

TABLE 4. 5-7½ Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 13,855	40,656	30,594	2,437	4,290	5,944	9,451	107,227
Average yearly mileage per truck .....	8,000	11,000	10,100	11,600	11,400	8,300	7,100	9,600
Average distance each ton was carried .....	19.5	19.5	17.8	44.8	41.5	51.4	10.1	18.1
Percentage of total mileage travelled empty .....	38.0	40.1	38.9	41.1	38.9	39.2	51.7	40.4
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 1,364	4,169	3,172	243	415	578	998	10,939
Miles per gallon of gasoline .....	10.2	9.7	9.6	10.0	10.3	10.3	9.4	9.8
Total gallons of diesel oil consumed .....	'000 —	24	—	—	—	—	—	24
Miles per gallon of diesel oil .....	—	9.2	—	—	—	—	—	9.2
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	—	6	6
Miles per gallon of other fuel .....	—	—	—	—	—	—	6.9	6.9
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 950	3,008	2,131	77	156	88	1,715	8,125
Average weight carried <sup>1</sup> .....	ton 2.2	2.4	2.0	2.4	2.5	1.3	3.8	2.3
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 18,497	58,693	37,893	3,466	6,469	4,526	17,285	146,829
Average net ton miles per truck .....	10,700	15,800	12,500	16,500	17,300	6,300	13,000	13,200
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 49,834	145,936	102,840	9,633	14,519	19,077	41,564	383,403
Average capacity ton miles per truck .....	28,700	39,300	33,800	45,900	38,700	26,700	31,200	34,500
Percentage of capacity utilized .....	37.1	40.2	36.8	36.0	44.6	23.7	41.6	38.3
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 65,055	190,887	145,119	11,712	21,085	25,837	47,880	507,575
Average gross ton miles per truck .....	37,500	51,500	47,700	55,800	56,200	36,200	35,900	45,700

TABLE 5. 7½-10 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 41,298	35,094	72,346	3,892	7,572	13,338	12,524	186,064
Average yearly mileage per truck .....	10,800	11,900	10,800	14,700	9,400	7,300	10,800	10,600
Average distance each ton was carried .....	11.1	21.3	22.3	20.6	29.0	26.7	20.1	17.4
Percentage of total mileage travelled empty .....	44.9	38.2	42.5	25.2	35.2	44.0	45.8	41.9
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 4,786	4,170	8,666	489	934	1,597	1,459	22,101
Miles per gallon of gasoline .....	8.6	8.4	8.3	8.0	8.1	7.9	8.6	8.4
Total gallons of diesel oil consumed .....	'000 36	—	—	—	—	—	—	36
Miles per gallon of diesel oil .....	10.0	—	—	—	—	—	—	10.0
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	79	—	79
Miles per gallon of other fuel .....	—	—	—	—	—	10.0	—	10.0
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 10,110	3,792	6,226	382	455	837	1,173	22,975
Average weight carried <sup>1</sup> .....	ton 4.9	3.7	3.3	2.7	2.7	3.0	3.5	3.7
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 112,131	80,814	138,805	7,847	13,195	22,337	23,532	398,661
Average net ton miles per truck .....	29,200	27,400	20,700	29,600	16,400	12,300	20,300	22,700
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 263,853	191,907	374,953	20,471	38,509	73,740	69,228	1,032,661
Average capacity ton miles per truck .....	68,700	65,100	55,800	77,200	47,700	40,600	59,600	58,800
Percentage of capacity utilized .....	42.5	42.1	37.0	38.3	34.3	30.3	34.0	38.6
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 274,573	212,078	438,388	23,834	43,963	78,164	72,241	1,143,241
Average gross ton miles per truck .....	71,500	71,900	65,300	89,900	54,500	43,000	62,200	65,100



TABLE 6. 10-15 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 24, 174	66, 507	91, 316	3, 111	20, 951	12, 316	16, 295	234, 670
Average yearly mileage per truck .....	15, 200	13, 800	15, 300	13, 600	12, 600	13, 000	10, 800	14, 000
Average distance each ton was carried .....	13. 1	21. 9	16. 4	32. 5	14. 4	26. 9	13. 2	17. 0
Percentage of total mileage travelled empty .....	44. 7	40. 6	43. 4	33. 2	43. 1	43. 5	42. 5	42. 5
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 3, 169	9, 256	12, 483	436	2, 905	1, 553	2, 272	32, 074
Miles per gallon of gasoline .....	7. 6	7. 2	7. 3	6. 8	7. 1	6. 8	6. 9	7. 2
Total gallons of diesel oil consumed .....	'000 —	—	58	—	—	—	53	111
Miles per gallon of diesel oil .....	—	—	4. 7	—	—	—	7. 3	5. 9
Total gallons of other fuel consumed .....	'000 —	—	—	29	32	318	26	405
Miles per gallon of other fuel .....	—	—	—	5. 5	6. 2	5. 7	5. 0	5. 7
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 6, 091	9, 605	17, 566	194	4, 979	1, 305	3, 936	43, 676
Average weight carried <sup>1</sup> .....	ton 6. 0	5. 3	5. 6	3. 0	6. 0	5. 0	5. 5	5. 5
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 79, 600	210, 612	287, 424	6, 304	71, 853	35, 148	51, 900	742, 841
Average net ton miles per truck .....	49, 900	43, 700	48, 100	27, 600	43, 200	37, 000	34, 400	44, 400
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 187, 303	516, 762	717, 295	21, 371	170, 175	96, 537	128, 596	1, 838, 039
Average capacity ton miles per truck .....	117, 500	107, 200	120, 200	93, 700	102, 300	101, 500	85, 300	109, 800
Percentage of capacity utilized .....	42. 5	40. 8	40. 1	29. 5	42. 2	36. 4	40. 4	40. 4
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 193, 986	492, 916	730, 696	20, 401	173, 925	95, 696	130, 793	1, 838, 413
Average gross ton miles per truck .....	121, 700	102, 200	122, 400	89, 500	104, 600	100, 600	86, 700	109, 800

TABLE 7. Over 15 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 5, 726	105, 645	113, 767	3, 949	7, 223	6, 484	18, 721	261, 515
Average yearly mileage per truck .....	29, 200	20, 100	26, 500	24, 400	14, 700	18, 600	13, 800	21, 600
Average distance each ton was carried .....	32. 9	22. 5	54. 1	33. 4	27. 5	63. 5	19. 1	32. 8
Percentage of total mileage travelled empty .....	41. 2	45. 2	33. 8	38. 2	46. 3	38. 0	42. 9	39. 7
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 966	15, 639	18, 699	702	1, 183	1, 114	2, 957	41, 260
Miles per gallon of gasoline .....	5. 9	6. 2	5. 4	5. 3	5. 8	5. 3	5. 5	5. 7
Total gallons of diesel oil consumed .....	'000 —	1, 554	2, 173	27	63	—	533	4, 350
Miles per gallon of diesel oil .....	—	5. 8	6. 2	7. 0	4. 9	—	4. 7	5. 9
Total gallons of other fuel consumed .....	'000 —	—	39	—	—	156	—	195
Miles per gallon of other fuel .....	—	—	4. 0	—	—	4. 1	—	4. 0
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 954	27, 042	16, 392	544	1, 515	608	6, 194	53, 249
Average weight carried <sup>1</sup> .....	ton 9. 3	10. 5	11. 8	7. 4	10. 8	9. 6	11. 1	11. 1
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 31, 432	608, 523	887, 192	18, 153	41, 722	38, 626	118, 368	1, 744, 016
Average net ton miles per truck .....	160, 400	115, 600	206, 800	112, 100	85, 000	111, 000	87, 000	144, 000
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 80, 388	1, 398, 265	1, 972, 760	55, 853	100, 583	94, 097	283, 946	3, 985, 892
Average capacity ton miles per truck .....	410, 100	265, 700	459, 900	344, 800	204, 900	270, 400	208, 600	329, 100
Percentage of capacity utilized .....	39. 1	43. 5	45. 0	32. 5	41. 5	41. 0	41. 7	43. 8
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 74, 038	1, 204, 652	1, 880, 693	47, 724	90, 961	86, 736	265, 833	3, 650, 637
Average gross ton miles per truck .....	377, 700	228, 900	438, 400	294, 600	185, 300	249, 200	195, 300	301, 500

## SECTION IV. PRIVATE URBAN TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	8,608	3,744	48,108	24,925	480,635	702,766
Average yearly mileage per truck .....	3,200	3,800	5,500	4,300	7,000	6,200
Average distance each ton was carried .....	7.8	5.8	7.3	6.6	9.5	9.6
Percentage of total mileage travelled empty .....	71.0	54.8	53.1	38.8	39.5	45.6
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	592	267	3,766	2,064	40,808	61,990
Miles per gallon of gasoline .....	14.5	14.0	12.8	12.1	11.2	11.3
Total gallons of diesel oil consumed ..... '000	—	—	—	—	788	91
Miles per gallon of diesel oil .....	—	—	—	—	6.0	5.6
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	155	208	3,952	1,851	40,232	52,336
Average weight carried <sup>1</sup> ..... ton	0.5	0.7	1.3	0.8	1.4	1.3
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,203	1,215	28,888	12,281	383,840	503,240
Average net ton miles per truck .....	500	1,200	3,300	2,100	5,900	4,400
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	9,408	4,622	92,229	50,059	1,230,812	1,645,482
Average capacity ton miles per truck .....	3,500	4,700	10,600	8,500	18,800	14,500
Percentage of capacity utilized .....	12.8	26.3	31.3	24.5	31.2	30.6
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	17,130	7,231	137,810	73,783	1,607,373	2,231,286
Average gross ton miles per truck .....	6,400	7,400	15,800	12,600	24,500	19,600
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	139,276	53,792	66,388	219,097	1,727,339	
Average yearly mileage per truck .....	6,700	5,300	6,600	5,400	6,200	
Average distance each ton was carried .....	9.9	7.0	5.7	6.5	8.6	
Percentage of total mileage travelled empty .....	53.2	50.9	34.7	53.1	45.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	12,659	4,990	7,646	18,781	153,563	
Miles per gallon of gasoline .....	11.0	10.8	8.7	11.7	11.2	
Total gallons of diesel oil consumed ..... '000	—	—	—	—	879	
Miles per gallon of diesel oil .....	—	—	—	—	5.9	
Total gallons of other fuel consumed ..... '000	—	—	12	—	12	
Miles per gallon of other fuel .....	—	—	6.5	—	6.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	12,853	6,776	19,384	17,183	154,930	
Average weight carried <sup>1</sup> ..... ton	1.9	1.8	2.5	1.1	1.4	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	126,741	47,651	110,420	112,284	1,327,743	
Average net ton miles per truck .....	6,100	4,700	11,000	2,800	4,800	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	375,733	143,839	287,583	433,303	4,273,070	
Average capacity ton miles per truck .....	18,200	14,100	28,500	10,700	15,300	
Percentage of capacity utilized .....	33.7	33.1	38.4	25.9	31.1	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	494,184	185,637	323,332	605,192	5,682,958	
Average gross ton miles per truck .....	23,900	18,200	32,100	15,000	20,400	



## SECTION V. FARM TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	2,759	9,141	29,758	17,906	132,821	227,968
Average yearly mileage per truck .....	4,700	3,500	4,700	4,000	4,100	3,700
Average distance each ton was carried .....	9.4	19.4	11.7	12.3	16.4	13.8
Percentage of total mileage travelled empty .....	71.4	74.6	66.7	66.8	69.2	67.3
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	190	649	2,189	1,258	9,426	15,940
Miles per gallon of gasoline .....	14.5	14.1	13.6	14.2	14.1	14.3
Total gallons of diesel oil consumed ..... '000	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	53	235	896	467	2,424	4,776
Average weight carried <sup>1</sup> ..... ton	0.6	2.0	1.1	1.0	1.0	0.9
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	500	4,549	10,467	5,731	39,868	65,830
Average net ton miles per truck .....	800	1,800	1,700	1,300	1,200	1,100
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	3,258	14,374	45,949	30,543	172,190	286,435
Average capacity ton miles per truck .....	5,500	5,600	7,300	6,800	5,300	4,600
Percentage of capacity utilized .....	15.3	31.6	22.8	18.8	23.2	23.0
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	5,643	20,858	72,033	46,380	283,757	484,484
Average gross ton miles per truck .....	9,500	8,100	11,500	10,400	8,700	7,900
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	84,392	215,549	209,800	53,768	983,862	
Average yearly mileage per truck .....	2,700	2,800	3,300	4,100	3,400	
Average distance each ton was carried .....	13.0	12.2	15.1	13.0	13.6	
Percentage of total mileage travelled empty .....	67.4	65.1	60.3	69.3	65.7	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	6,595	17,774	16,449	3,854	74,324	
Miles per gallon of gasoline .....	12.8	12.1	12.8	14.0	13.2	
Total gallons of diesel oil consumed ..... '000	—	—	—	—	—	
Miles per gallon of diesel oil .....	—	—	—	—	—	
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	
Miles per gallon of other fuel .....	—	—	—	—	—	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	2,703	9,642	6,388	983	28,567	
Average weight carried <sup>1</sup> ..... ton	1.3	1.6	1.2	0.8	1.2	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	35,240	117,583	96,528	12,807	389,103	
Average net ton miles per truck .....	1,100	1,500	1,500	1,000	1,300	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	154,982	524,842	385,971	65,007	1,683,551	
Average capacity ton miles per truck .....	5,000	6,800	6,100	5,000	5,800	
Percentage of capacity utilized .....	22.7	22.4	25.0	19.7	23.1	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	227,516	704,859	544,652	111,211	2,501,393	
Average gross ton miles per truck .....	7,400	9,200	8,700	8,500	8,600	

<sup>1</sup> Ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried whichever is larger.<sup>3</sup> Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

## SECTION VI. INTRAPROVINCIAL TRAFFIC BY FOR HIRE AND PRIVATE INTERCITY TRUCKS IN CANADA, 1957

TABLE 1. Selected Statistics by Gross Vehicle Weight Groups

	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under .....	1,475	15,693	18,686	1.2	12.7	3,931	21.0
10,001-20,000 lbs. ....	10,412	64,702	230,033	3.6	22.1	30,840	13.4
20,001-30,000 lbs. ....	35,799	107,957	675,249	6.3	18.9	58,348	8.6
30,001-50,000 lbs. ....	18,602	107,274	1,070,772	10.0	57.6	80,539	7.5
50,001 lbs. and over .....	12,924	103,357	1,368,687	13.2	105.9	92,125	6.7
<b>Total</b> .....	<b>79,212</b>	<b>398,983</b>	<b>3,363,427</b>	<b>8.4</b>	<b>42.5</b>	<b>265,783</b>	<b>7.9</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under .....	9,475	376,266	220,632		0.6	23.3	
10,001-20,000 lbs. ....	28,495	157,155	514,816		3.3	18.1	
20,001-30,000 lbs. ....	40,563	124,768	699,616		5.6	17.2	
30,001-50,000 lbs. ....	38,492	93,206	919,235		9.9	23.9	
50,001 lbs. and over .....	9,940	43,004	567,978		13.2	57.1	
<b>Total</b> .....	<b>126,965</b>	<b>794,399</b>	<b>2,922,277</b>		<b>3.7</b>	<b>23.0</b>	

TABLE 2. Selected Statistics by Commodity Groups

	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	2, 224	15, 756	143, 046	9. 1	64. 3	8, 747	6. 1
Animals and animal products .....	4, 173	58, 801	279, 070	4. 7	66. 9	24, 456	8. 8
Mine products .....	42, 750	48, 197	453, 411	9. 4	10. 6	32, 107	7. 1
Forest products .....	4, 524	18, 175	159, 511	8. 8	35. 3	12, 756	8. 0
Manufactures and miscellaneous .....	18, 781	169, 979	1, 687, 274	9. 9	89. 8	121, 869	7. 2
N.O.S. general freight .....	6, 760	88, 075	641, 115	7. 3	94. 8	65, 848	10. 3
<b>Total</b> .....	<b>79, 212</b>	<b>398, 983</b>	<b>3, 363, 427</b>	<b>8. 4</b>	<b>42. 5</b>	<b>265, 783</b>	<b>7. 9</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	4, 806	41, 482	195, 618		4. 7		40. 7
Animals and animal products .....	3, 887	88, 973	230, 252		2. 6		59. 2
Mine products .....	65, 982	69, 961	583, 369		8. 3		8. 8
Forest products .....	16, 522	63, 393	425, 999		6. 7		25. 8
Manufactures and miscellaneous .....	31, 964	473, 846	1, 351, 709		2. 9		42. 3
N.O.S. general freight .....	3, 804	56, 744	135, 330		2. 4		35. 6
<b>Total</b> .....	<b>126, 965</b>	<b>794, 399</b>	<b>2, 922, 277</b>		<b>3. 7</b>		<b>23. 0</b>



## SECTION VII. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1957

TABLE 1. Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
	'000 tons									
From:										
Atlantic Provinces .....	—	30	2	—	—	—	—	—	12	44
Quebec .....	32	—	877	5	—	13	—	—	56	983
Ontario .....	3	888	—	63	5	37	9	—	134	1,139
Manitoba .....	—	2	50	—	70	17	1	—	8	148
Saskatchewan .....	—	—	1	47	—	13	—	—	2	63
Alberta .....	—	9	31	19	38	—	166	—	—	263
British Columbia .....	—	1	7	—	—	56	—	—	156	220
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—
United States .....	6	92	159	6	—	20	85	—	—	368
<b>Total .....</b>	<b>41</b>	<b>1,022</b>	<b>1,127</b>	<b>140</b>	<b>113</b>	<b>156</b>	<b>261</b>	<b>—</b>	<b>368</b>	<b>3,228</b>
	Private intercity									
From:										
Atlantic Provinces .....	—	26	1	—	—	—	—	—	112	139
Quebec .....	18	—	513	—	—	—	—	—	200	731
Ontario .....	—	216	—	12	1	3	3	—	75	310
Manitoba .....	—	—	36	—	10	—	1	—	—	47
Saskatchewan .....	—	—	—	7	—	7	1	—	—	15
Alberta .....	—	—	2	2	10	—	11	—	5	30
British Columbia .....	—	—	1	—	2	12	—	11	22	48
Yukon and Northwest Territories .....	—	—	—	—	—	—	2	—	—	2
United States .....	8	70	174	2	4	1	6	—	—	265
<b>Total .....</b>	<b>26</b>	<b>312</b>	<b>727</b>	<b>23</b>	<b>27</b>	<b>23</b>	<b>24</b>	<b>11</b>	<b>414</b>	<b>1,587</b>

TABLE 2. Selected Statistics by Gross Vehicle Weight Groups

	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under .....	2	159	82	0.5	41.0	81	98.8
10,001-20,000 lbs. ....	40	2,166	7,744	3.6	193.6	1,276	16.5
20,001-30,000 lbs. ....	159	7,907	70,946	9.0	446.2	4,125	5.8
30,001-50,000 lbs. ....	1,436	48,543	538,394	11.1	374.9	32,209	6.0
50,001 lbs. and over .....	1,591	49,346	694,576	14.1	436.6	34,267	4.9
<b>Total .....</b>	<b>3,228</b>	<b>108,121</b>	<b>1,311,742</b>	<b>12.1</b>	<b>406.4</b>	<b>71,958</b>	<b>5.5</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under .....	49	6,721	3,616	0.5	73.8		
10,001-20,000 lbs. ....	168	4,377	14,333	3.3	85.3		
20,001-30,000 lbs. ....	378	4,211	25,253	6.0	66.8		
30,001-50,000 lbs. ....	693	11,347	128,825	11.4	185.9		
50,001 lbs. and over .....	299	9,341	132,588	14.2	443.4		
<b>Total .....</b>	<b>1,587</b>	<b>35,997</b>	<b>304,615</b>	<b>8.5</b>	<b>191.9</b>		

TABLE 3. Selected Statistics by Commodity Groups

	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	182	7,691	108,848	14.2	598.1	4,274	3.9
Animals and animal products .....	194	11,364	132,838	11.7	684.7	5,716	4.3
Mine products .....	28	565	8,271	14.6	295.4	341	4.1
Forest products .....	118	1,665	23,022	13.8	195.1	956	4.2
Manufactures and miscellaneous .....	1,901	60,614	705,426	11.6	371.1	39,269	5.6
N.O.S. general freight .....	805	26,222	333,337	12.7	414.1	21,402	6.4
<b>Total .....</b>	<b>3,228</b>	<b>108,121</b>	<b>1,311,742</b>	<b>12.1</b>	<b>406.4</b>	<b>71,958</b>	<b>5.5</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	198	5,569	54,399	9.8	274.7		
Animals and animal products .....	95	3,880	35,110	9.0	369.6		
Mine products .....	40	632	6,841	10.8	171.0		
Forest products .....	600	3,308	31,259	9.4	52.1		
Manufactures and miscellaneous .....	609	19,431	137,609	7.1	226.0		
N.O.S. general freight .....	45	3,177	39,397	12.4	875.5		
<b>Total .....</b>	<b>1,587</b>	<b>35,997</b>	<b>304,615</b>	<b>8.5</b>	<b>191.9</b>		



## APPENDIX I

## Average Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Groups, 1957

Type of operation and gross vehicle weight	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
												Gross	Net
For hire:													
0 - 2½ tons .....					167	234	108	—	—	126	—	635	635
2½- 5 " .....					806	1,801	477	113	82	450	574	4,303	4,303
5 - 7½ " .....					674	2,193	660	65	35	228	378	4,233	4,229
7½-10 " .....	1	1	1	1	1,227	1,728	2,682	185	135	1,938	664	8,559	8,545
10 -15 " .....					1,225	2,274	4,653	178	328	3,918	1,464	14,040	13,966
15 -25 " .....					196	3,851	1,795	412	903	1,173	916	9,246	8,514
Over 25 " .....					67	—	3,428	305	135	666	727	5,328	4,970
<b>Total .....</b>	<b>703</b>	<b>217</b>	<b>2,375</b>	<b>1,067</b>	<b>4,362</b>	<b>12,081</b>	<b>13,803</b>	<b>1,258</b>	<b>1,618</b>	<b>8,499</b>	<b>4,723</b>	<b>46,344</b>	<b>45,162</b>
Private — Intercity:													
0 - 2½ tons .....					3,705	7,538	43,976	—	4,863	21,132	15,985	97,199	97,194
2½- 5 " .....					19,145	12,613	11,853	1,530	1,556	4,698	8,880	60,275	60,268
5 - 7½ " .....					1,735	3,710	3,040	210	375	714	1,333	11,117	11,112
7½-10 " .....	1	1	1	1	3,839	2,950	6,714	265	807	1,818	1,162	17,555	17,537
10 -15 " .....					1,594	4,822	5,970	228	1,663	951	1,508	16,736	16,715
15 -25 " .....					162	5,262	2,027	125	479	282	1,101	9,438	9,353
Over 25 " .....					34	—	2,263	37	12	66	260	2,672	2,602
<b>Total .....</b>	<b>3,409</b>	<b>1,568</b>	<b>14,366</b>	<b>10,871</b>	<b>30,214</b>	<b>36,895</b>	<b>75,843</b>	<b>2,395</b>	<b>9,755</b>	<b>29,661</b>	<b>30,229</b>	<b>214,992</b>	<b>214,781</b>
Urban:													
0 - 2½ tons .....					3,586	17,500	64,026	4,732	5,772	3,744	17,351	116,711	116,711
2½- 5 " .....					11,445	31,499	27,612	10,827	2,104	1,881	15,719	101,087	101,087
5 - 7½ " .....					1,586	6,412	6,666	1,617	495	480	2,725	19,981	19,981
7½-10 " .....	1	1	1	1	1,140	3,677	7,938	2,418	908	1,902	1,906	19,889	19,889
10 -15 " .....					407	3,449	5,247	789	629	1,473	1,650	13,644	13,644
15 -25 " .....					30	3,027	2,373	293	294	600	962	7,579	7,579
Over 25 " .....					—	—	—	—	—	—	—	—	—
<b>Total .....</b>	<b>2,658</b>	<b>978</b>	<b>8,698</b>	<b>5,860</b>	<b>18,194</b>	<b>65,564</b>	<b>113,862</b>	<b>20,676</b>	<b>10,202</b>	<b>10,080</b>	<b>40,313</b>	<b>278,891</b>	<b>278,891</b>
Farm:													
0 - 2½ tons .....					2,456	16,038	46,674	3,063	13,155	30,654	7,195	119,235	119,235
2½- 5 " .....					10,076	14,355	12,285	20,917	36,630	16,965	4,664	115,892	115,892
5 - 7½ " .....					717	1,776	1,086	4,117	10,325	3,066	715	21,802	21,802
7½-10 " .....	1	1	1	1	551	294	1,176	2,415	11,615	10,986	360	27,397	27,397
10 -15 " .....					128	69	456	261	5,198	1,245	76	7,433	7,433
15 -25 " .....					—	3	—	17	25	15	9	69	69
Over 25 " .....					—	—	—	—	—	—	—	—	—
<b>Total .....</b>	<b>593</b>	<b>2,580</b>	<b>6,279</b>	<b>4,476</b>	<b>13,928</b>	<b>32,535</b>	<b>61,677</b>	<b>30,790</b>	<b>76,948</b>	<b>62,931</b>	<b>13,019</b>	<b>291,828</b>	<b>291,828</b>
All trucks:													
0 - 2½ tons .....					9,914	41,310	154,784	7,795	23,790	55,656	40,531	333,780	333,775
2½- 5 " .....					41,472	60,268	52,227	33,387	40,372	23,994	29,837	281,557	281,550
5 - 7½ " .....					4,712	14,091	11,452	6,009	11,230	4,488	5,151	57,133	57,124
7½-10 " .....	1	1	1	1	6,757	8,649	18,510	5,283	13,465	16,644	4,092	73,400	73,368
10 -15 " .....					3,354	10,614	16,326	1,456	7,818	7,587	4,698	51,853	51,758
15 -25 " .....					388	12,143	6,195	847	1,701	2,070	2,988	26,332	25,515
Over 25 " .....					101	—	5,691	342	147	732	987	8,000	7,572
<b>Total .....</b>	<b>7,363</b>	<b>5,343</b>	<b>31,718</b>	<b>22,274</b>	<b>66,698</b>	<b>147,075</b>	<b>265,185</b>	<b>55,119</b>	<b>98,523</b>	<b>111,171</b>	<b>88,284</b>	<b>832,055</b>	<b>830,662</b>

<sup>1</sup> Population estimates by gross vehicle weight groups are not considered sufficiently reliable.

## APPENDIX II

## Sampling Results, by Type of Operation and Province, 1957.

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total
Total number of trucks selected in samples											
For hire .....	296	98	787	394	2,090	3,854	414	530	2,400	1,138	12,001
Private:											
Intercity .....	722	316	2,765	2,445	4,842	8,483	445	1,482	2,440	3,100	27,040
Urban .....	421	154	1,604	1,211	7,395	11,274	3,701	1,270	1,361	4,077	32,468
Farm .....	108	404	1,025	799	2,733	4,406	3,898	8,922	5,969	1,073	29,337
<b>Total .....</b>	<b>1,547</b>	<b>972</b>	<b>6,181</b>	<b>4,849</b>	<b>17,060</b>	<b>28,017</b>	<b>8,458</b>	<b>12,204</b>	<b>12,170</b>	<b>9,388</b>	<b>100,846</b>
Number of questionnaires returned completed											
For hire .....	100	37	363	134	1,176	2,054	245	300	889	652	5,950
Private:											
Intercity .....	265	104	1,308	929	2,292	4,345	289	606	1,103	1,335	12,576
Urban .....	143	53	775	460	3,537	5,634	1,382	563	627	1,755	14,929
Farm .....	36	133	497	325	1,383	2,228	1,293	3,342	2,568	490	12,295
<b>Total .....</b>	<b>544</b>	<b>327</b>	<b>2,943</b>	<b>1,848</b>	<b>8,388</b>	<b>14,261</b>	<b>3,209</b>	<b>4,811</b>	<b>5,187</b>	<b>4,232</b>	<b>45,750</b>
Number of sampled trucks reported not in use during survey week											
For hire .....	101	36	228	150	388	971	93	120	709	261	3,057
Private:											
Intercity .....	219	91	735	815	1,178	2,195	107	470	705	857	7,372
Urban .....	133	51	405	404	1,677	3,014	998	381	377	1,117	8,557
Farm .....	36	107	259	241	677	1,054	1,651	4,077	2,373	275	10,750
<b>Total .....</b>	<b>489</b>	<b>285</b>	<b>1,627</b>	<b>1,610</b>	<b>3,920</b>	<b>7,234</b>	<b>2,849</b>	<b>5,048</b>	<b>4,164</b>	<b>2,510</b>	<b>29,736</b>
Number of questionnaires returned incomplete and unusable											
For hire .....	38	12	118	49	243	439	33	78	383	148	1,541
Private:											
Intercity .....	102	54	472	376	889	1,109	39	268	439	594	4,342
Urban .....	72	23	277	194	1,417	1,558	1,048	218	228	790	5,825
Farm .....	16	68	180	134	476	678	611	607	528	202	3,500
<b>Total .....</b>	<b>228</b>	<b>157</b>	<b>1,047</b>	<b>753</b>	<b>3,025</b>	<b>3,784</b>	<b>1,731</b>	<b>1,171</b>	<b>1,578</b>	<b>1,734</b>	<b>15,208</b>
Number of questionnaires not returned (non-respondents)											
For hire .....	57	13	78	61	283	390	43	32	419	77	1,453
Private:											
Intercity .....	136	67	250	325	483	834	10	138	193	314	2,750
Urban .....	73	27	147	153	764	1,068	273	108	129	415	3,157
Farm .....	20	96	89	99	197	446	343	896	500	106	2,792
<b>Total .....</b>	<b>286</b>	<b>203</b>	<b>564</b>	<b>638</b>	<b>1,727</b>	<b>2,738</b>	<b>669</b>	<b>1,174</b>	<b>1,241</b>	<b>912</b>	<b>10,152</b>



## APPENDIX III

## Commodity Classification

## Agricultural products:

Flour  
Fruit  
Grain  
Grain products  
Sugar beets  
Vegetables  
Other agricultural products

## Animals and animal products:

Animals and live poultry, N.O.S.<sup>1</sup>  
Butter, cheese and eggs  
Cattle, calves and hogs  
Dressed meats and packing house products  
Fish  
Hides and skins  
Milk, cream  
Wool  
Other animal products

## Mine products:

Coal and coke  
Crude petroleum  
Ore and concentrates  
Sand, gravel, crushed rock and fill  
Other mine products

## Forest products:

Cordwood, fuelwood  
Logs, poles, posts and ties

## Forest products — Concluded:

Lumber, timber, lath, etc.  
Pulpwood  
Other forest products

## Manufactured products:

Agricultural implements, farm tractors and parts  
Animal, fish or vegetable oil  
Automobiles and parts  
Building products, brick, cement, etc.  
Empty containers, wood or metal  
Fertilizers, chemicals and acids  
Food products, groceries, canned goods  
Furniture, furnishings and personal effects  
Gasoline  
Hardware  
Iron and steel products  
Machines, machinery and parts  
Metal products, N.O.S.  
Newspapers and other printed material  
Newsprint  
Paper products, N.O.S.  
Petroleum products, N.O.S.  
Rubber and rubber products  
Scrap and waste metal  
Soft drinks, beer and other beverages  
Textiles  
Tools and equipment  
Wood products, plywood, veneer, etc.  
Other manufactures

## General freight and miscellaneous

<sup>1</sup> N.O.S.—not otherwise specified.

## APPENDIX IV

## Description of Vehicle Classifications

The following summary shows how the existing licencing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

## For-hire trucks

## Atlantic Provinces:

No separate licence—trucks operated for compensation on intercity routes and/or in urban areas, except those used in carrying mail, earth, sand or gravel; or used on government construction work; for the transportation of unprocessed products of the land, sea or forest; or by a farmer, fisherman or lumberman.

## Quebec:

"L" licensed vehicles—operated for compensation in intercity or urban service.

## Ontario:

Public Commercial Vehicles (P.C.V.)—operated

for compensation outside urban areas (rural and intercity routes).

## Manitoba:

Public Service Vehicles (P.S.V.)—operated for compensation beyond 15 miles radius of place of registration.

## Saskatchewan:

"A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

## Alberta:

"E" and "P.S.V." licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

## British Columbia:

"E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

**Private intercity trucks****Atlantic Provinces:**

No separate licence—trucks operated on inter-city routes by a farmer, fisherman or lumberman; or those used in transporting mail, sand or gravel, unprocessed products of the land, sea or forest; or used on government construction work; or privately owned trucks transporting owners' goods outside urban areas.

**Quebec:**

No separate licence—trucks with "F" licences operated outside urban areas.

**Ontario:**

No separate licence—private non-farm trucks operated outside urban areas.

**Manitoba:**

"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

**Saskatchewan:**

No separate licence—trucks with "C" or "D" licences operated outside urban areas.

**Alberta:**

"CV" and "X" licensed vehicles—trucks not restricted to urban areas.

**British Columbia:**

No separate licence—private non-farm trucks operated beyond urban areas.

**Private urban trucks****Atlantic Provinces:**

No separate licence—trucks operated in urban areas for transporting mail, earth, sand or gravel, unprocessed products of sea; or used on government construction work; and privately owned trucks transporting owners' goods in urban areas.

**Quebec:**

No separate licence—trucks with "F" licences operated in urban areas.

**Ontario:**

No separate licence—private trucks operated in urban areas.

**Manitoba:**

"T" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

**Saskatchewan:**

No separate licence—trucks with "C" or "D" licences operated within urban areas.

**Alberta:**

"C" licensed vehicles—operated within 5 miles radius of place of registration.

**British Columbia:**

No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks****Atlantic Provinces:**

No separate licence—trucks owned and operated by a farmer.

**Quebec:**

"N" licensed vehicles—owned and operated by a farmer.

**Ontario:**

No separate licence—trucks owned and operated by a farmer.

**Manitoba:**

"FT" licensed vehicles—trucks owned and operated by a farmer.

**Saskatchewan:**

"F" licensed vehicles—trucks owned and operated by a farmer.

**Alberta:**

"F" licensed vehicles—trucks owned and operated by a farmer.

**British Columbia:**

No separate licence—trucks owned and operated by a farmer.





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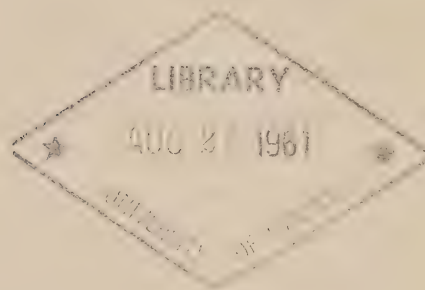
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CANADA

**MOTOR TRANSPORT TRAFFIC**  
**NATIONAL ESTIMATES**  
**1958**



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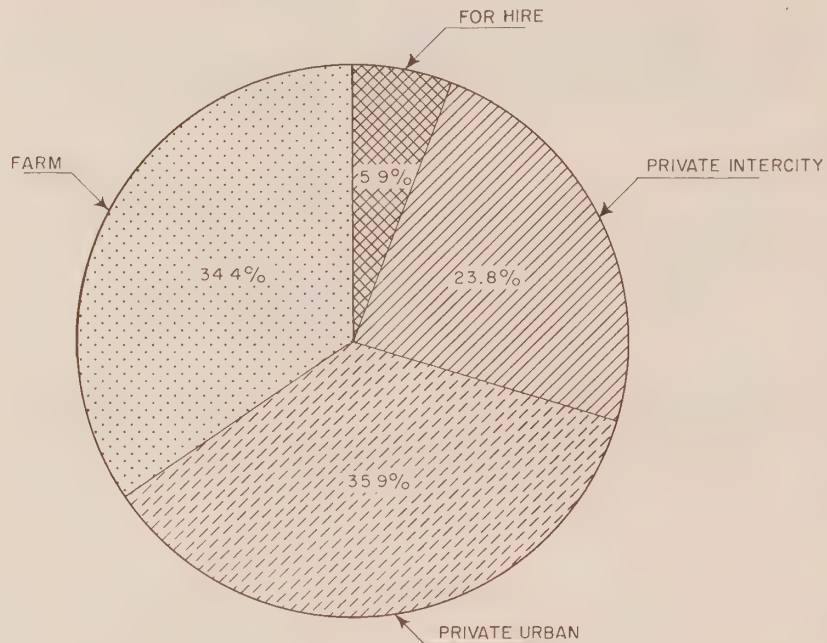
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# MOTOR TRANSPORT TRAFFIC NATIONAL ESTIMATES 1958

CHART-1

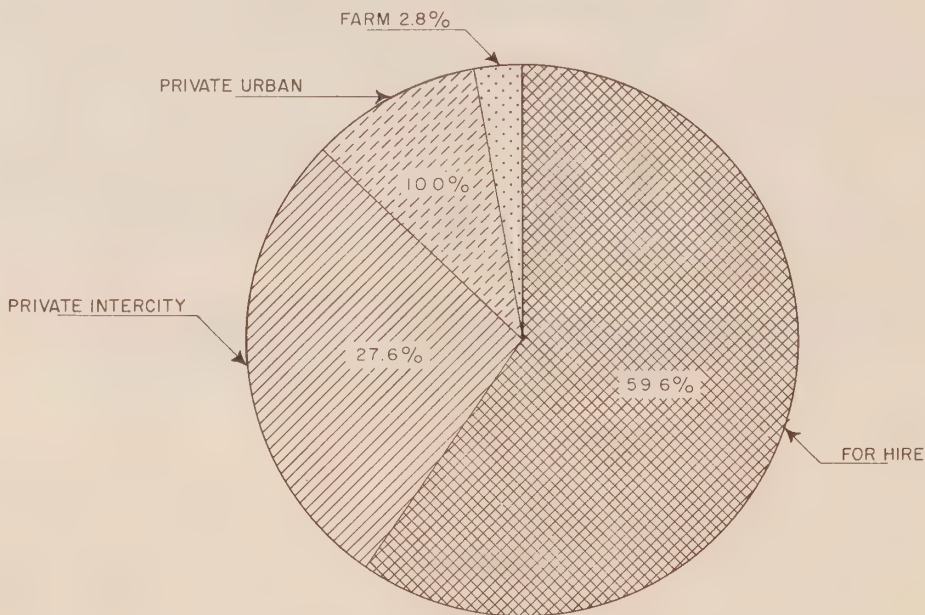
TRUCK REGISTRATIONS BY TYPE OF OPERATION



Source: Appendix I.

CHART-2

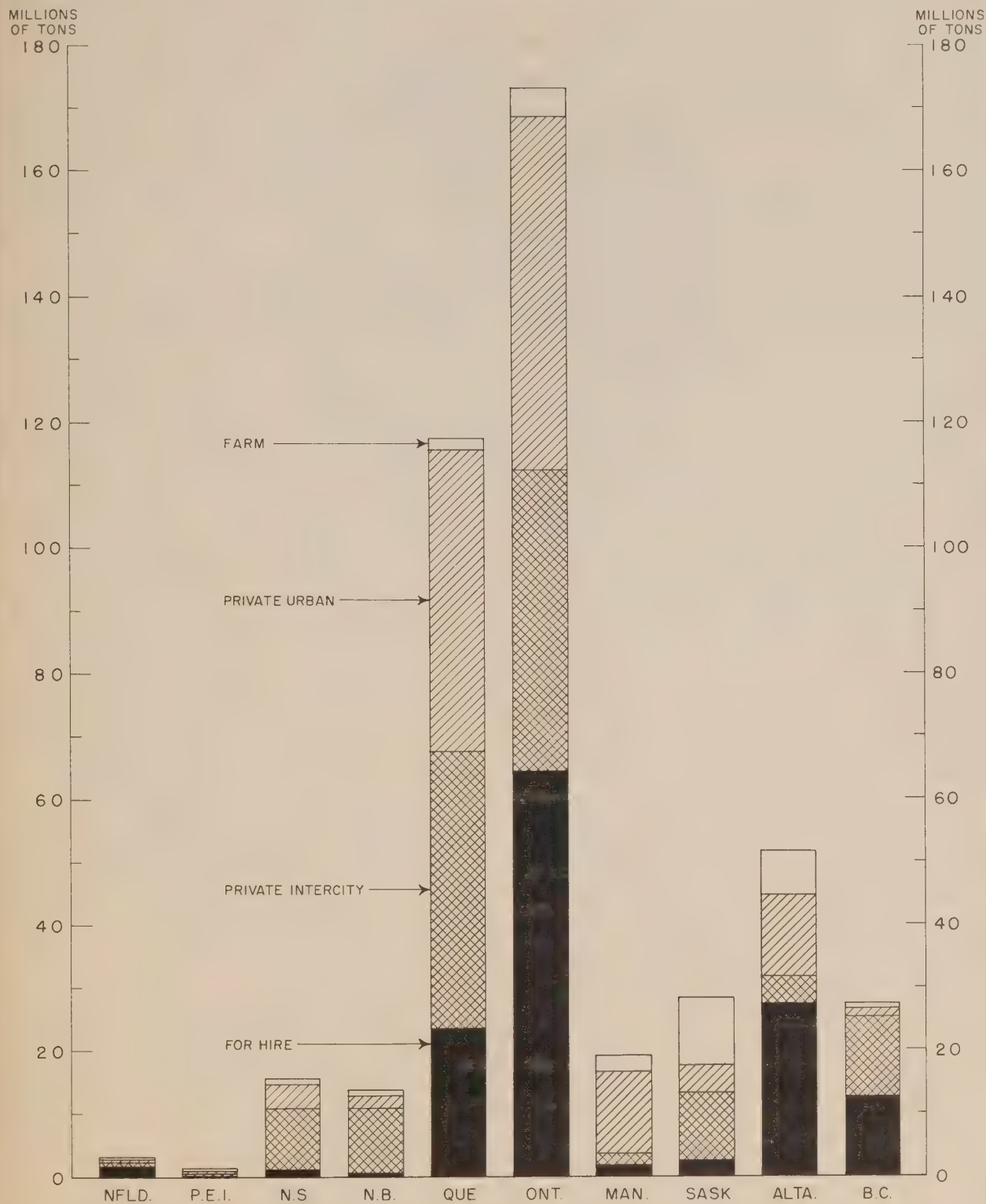
NET TON MILES BY TYPE OF OPERATION



Source: Section I, Table I.

CHART-3

## TONS CARRIED BY TYPE OF OPERATION

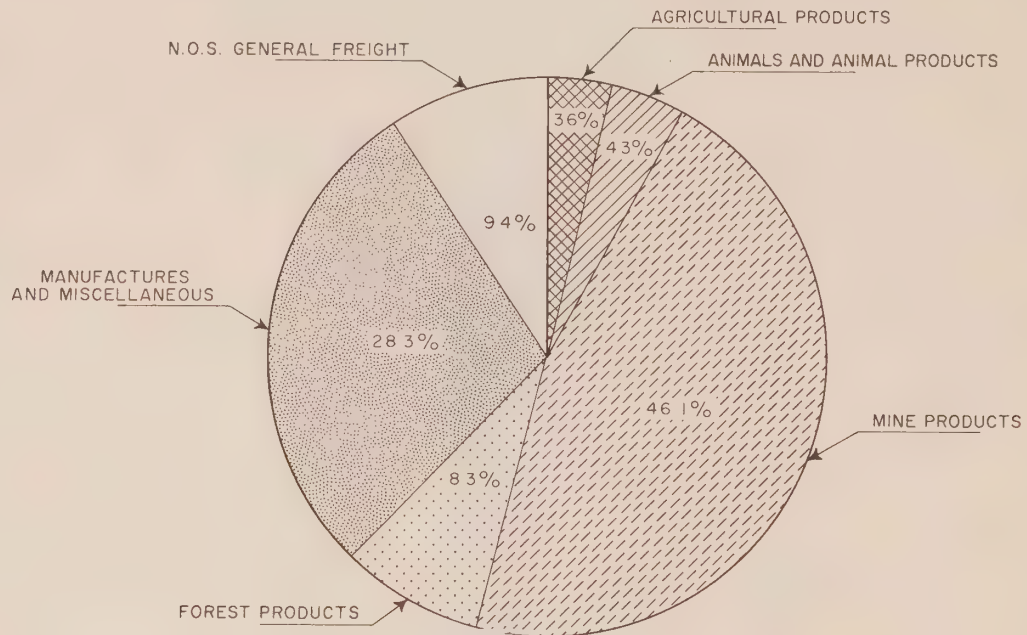


Source: Section I, Tables 4, 6, 8 and 9



CHART - 4

## INTERCITY TRAFFIC BY COMMODITY GROUP — TONS OF GOODS CARRIED



Source: Section II, Table II.

## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week of each quarter of 1958. Truck transport statistics published in provincial and regional reports for 1958 have been summarized herein. National intercity bus traffic estimates are not included in this report as reliable statistics have not been collected in all ten provinces.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its provincial affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

Information on the history of the Motor Transport Traffic Surveys and an explanation of some of the technical problems encountered in their development may be found in "Motor Transport Traffic Statistics, National Estimates, 1957".

### Organization and Description of the Sample

Samples of commercial vehicles are selected quarterly from motor vehicle registration records in each of the ten provinces and are stratified by six weight groups: 0-2½ tons; 2½-5; 5-7½; 7½-10; 10-15; over 15 tons. Where the registration system permits, vehicles are selected from distinct licence categories corresponding to those established in the motor transport traffic survey. The licensing arrangement in Manitoba most closely resembles the classification of vehicles in the survey but even there it was not possible to identify vehicles operating interprovincially or internationally. The licensing systems in each of the other provinces differed from that of Manitoba by varying degrees so that in some cases it was necessary to classify trucks according to the replies received in the questionnaires.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated; tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government owned

vehicles and motor vehicles not required to obtain licences under provincial highway traffic acts.

In order to secure a high rate of response, vehicles were not included in more than one survey per year, although a company with many vehicles might have had trucks in every survey. Furthermore an intensive follow-up procedure has been developed.

The motor vehicle population varies over the course of the year as vehicle registrations are received at provincial motor vehicle branches. Hence the motor transport traffic statistics contained herein are based upon an average annual population. Population estimates for 1958 are to be found in Appendix I.

An overall sample of twelve percent of Canadian registered trucks used for the transportation of goods was selected during 1958. To allow for seasonal variations and to ensure that the sample vehicles would represent current registrations in force, this annual survey was conducted on a quarterly basis with approximately three per cent of total registrations sampled each quarter. Commencing with the second quarter of 1958, each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, each month. Previously each quarterly sample was concentrated in one survey week, so that the sample for the year was spread over only four weeks. Statistics compiled for 1958, therefore, have been based on surveys spread over ten weeks to give a fairer representation of truck traffic throughout the year.

In most cases higher sampling ratios were used in the weight groups containing the largest vehicles. The twelve per cent sample of registrations therefore actually represented twenty per cent of the capacity of all vehicles registered. Furthermore, the probability of obtaining more reliable results was increased since the heavy weight classes were involved in more diversified types of operations and accounted for the bulk of net ton miles performed in Canada. During the second and third quarters of 1958 the sample ratios used in the Atlantic Provinces were increased, where group populations were small, in order to provide more reliable results.

The sample selection ratios used in the last two quarters of 1958 for each province were as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/24	1/12	1/6	1/6	1/6	1/6
Prince Edward Island .....	1/24	1/12	1/6	1/6	1/6	1/6
Nova Scotia .....	1/6	1/42	1/12	1/12	1/6	1/6
New Brunswick .....	1/6	1/42	1/12	1/12	1/6	1/6
Quebec <sup>1</sup> .....	1/72	1/36	1/24	1/24	1/12	1/12
Ontario .....	1/72	1/36	1/24	1/24	1/12	1/12
Manitoba .....	1/60	1/30	1/20	1/20	1/10	1/10
		(farm 1/60)				
Saskatchewan .....	1/60	1/30	1/20	1/20	1/10	1/10
		(farm 1/60)				
Alberta .....	1/72	1/36	1/24	1/24	1/12	1/12
British Columbia <sup>1</sup> .....	1/72	1/36	1/24	1/24	1/12	1/12

<sup>1</sup> Vehicles in Quebec and British Columbia were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb.



Expansion factors, dependent upon the degree of response and predetermined ratios for each gross vehicle weight group, were computed to "blow up" the survey results for each quarter to be representative of total registrations. Annual provincial data were compiled by combining the expanded data for each of the four quarterly surveys.

### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1958 appears in Appendix VI. This should further assist the reader in appreciating the significance of the information included in this report.

Average yearly mileage per truck—total annual mileage performed divided by the average number of vehicles registered, during the twelve month period.

Net ton miles—were obtained by multiplying the weight of each load carried by the distance it was transported. For vehicles engaged in intercity or rural operations, ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the owner or operator was requested to record the weight of the load on the truck at 10:00 a.m. and 3:00 p.m. or other more appropriate hours when a typical load was carried. From this information the average load carried during the week was calculated, which was multiplied by the total miles travelled during the week while loaded, to obtain net ton miles.

Average distance each ton was carried—total net ton miles performed divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles for each truck. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel) consumed—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during year divided by average annual truck population.

Capacity ton miles—the actual total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by average annual truck population.

Percentage of capacity utilized—net ton miles performed divided by capacity ton miles. This

measures the effective utilization of motor vehicles on a ton mile basis rather than by weight carried.

Gross ton miles—weight of the vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for those in Quebec and British Columbia which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by average annual truck population.

### Compilation of National Estimates

#### (a) Duplication of Data

In this report, national estimates are shown in 14 tables divided into 3 sections.

Section I. Total Truck Traffic by Canadian Registered Trucks, 1958.

Section II. Intraprovincial Traffic by For Hire and Private Intercity Trucks in Canada, 1958.

Section III. Interprovincial and International Traffic by Canadian Registered Trucks, 1958.

In Section I all figures are the sum of the traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included, whether they are in transit between Canadian points or are engaged in international trade. This concept also covers trucks operating outside their own province, either under special permit or according to the terms of provincial reciprocal agreements. If the "within the province" concept (followed in the publication of the 1957 National Estimates) had been used these truck operations would have been omitted from the survey. Using the "inside and outside the province" method, 1957 estimates have been revised and included in Tables 1 and 2. As there is a tendency for increasing freedom of interprovincial movement under reciprocal licensing arrangements, the amount of duplication that is due to multiple licensing may be expected to diminish over the years. A summary of reciprocal highway agreements for trucking, current in September, 1959, appears in the D.B.S. publication; "The Motor Vehicle 1958", catalogue number 53-203.

The intraprovincial traffic figures of for hire and private intercity trucks shown in Section II exclude the strictly urban operations of these trucks and the "inside the province" portion of interprovincial and international trips. As they are concerned entirely with trips made solely within the province of registration, there is no scope for licence duplication.

Duplication of interprovincial traffic figures is avoided in Section III by taking 50 per cent of the total of interprovincial operations reported for each



province. As reciprocity of licensing arrangements increases, it may be expected that interprovincial operations on single licences will substantially outweigh the effect of trucks operating with two or more provincial licences. When that is the case it will be necessary to reduce data collected on these operations by some proportion less than the present fifty per cent.

It should be stressed that although it was necessary to reduce interprovincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when provincial data are added together that difficulties arise.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications.

Quebec and British Columbia were in 1958 both licensing trucks by tare weight, while the other provinces used gross vehicle weight. British Columbia commencing in 1960 will, however, license by gross vehicle weight. Where the vehicles were licensed by tare weight the gross vehicle weight was estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried.

In Ontario, since tractors and trailers are licensed separately, the combined gross vehicle weight of the tractor-trailer combination had to be calculated by adding the gross weight of the tractor to the estimated tare weight of the trailer used and the weight of the heaviest load carried during the survey week.

These problems were partly overcome during 1958 when the questionnaire first included a question which asked the respondent to state the maximum gross vehicle weight of the truck or tractor-trailer combination. This question, however, was not always answered reasonably and in some cases estimates had to be calculated as previously.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, the existing provincial licensing system was used where possible to classify vehicles into the four functional categories of for hire, private intercity, farm and urban. Unfortunately this method does not provide closely comparable vehicle classes between provinces thus creating a serious problem

in the provision of worthwhile national totals. An examination of the descriptions of the various vehicle classes which have been included in Appendix V will reveal these variations. It may be noted, for example, that in Ontario a common or contract carrier licence is required for the transportation of commodities for compensation on any highway whereas, in Manitoba, such a licence is required for the transportation of commodities for compensation only beyond a 15 mile radius of the place of registration. On the other hand, in Saskatchewan a carrier licence is required only where compensation is received for the transportation of general merchandise on a specified route or charter or for the conveyance of commodities specified by the provincial highway traffic board.

In the case of urban classification, Manitoba and Alberta are the only two provinces which have a separate licence classification for urban trucks. In Manitoba urban trucks may operate within a fifteen mile radius of the place of registration whereas in Alberta such vehicles must operate within a five mile radius. In all other provinces, trucks which do not have a carrier licence and which operate exclusively within an urban area or within a five mile radius thereof as indicated from replies to the survey questionnaires, have been classified as urban. Since most provinces do not require a carrier licence for urban operations, trucks transporting commodities for compensation are included in the urban classification as well as privately operated trucks.

The prairie provinces and Quebec issue separate farm licences to bona fide farmers using the vehicles for farm purposes. However, even among these provinces there are variations in definitions of farmers and commodities which can be transported.

#### Response to Survey

During 1958, survey questionnaires were mailed to the owners or operators of 98,937 motor vehicles as compared with 100,846 in 1957. Of those sent in 1958 44,951 or 45.4 per cent (the same as in 1957) were returned completed and 27,172 or 27.5 per cent (29.5 per cent in 1957) were reported not used. In addition 26,814 or 27.1 per cent were not returned, returned incomplete or not usable. As the questionnaires in the not used category are considered equivalent to completed returns, the total number of usable questionnaires amounted to 72,123 or 72.9 per cent of the sample, as compared with 74.9 per cent in 1957. Non response in 1958 totalled 12,983 or 13.1 per cent as against 10.0 per cent in 1957.

#### Review of Survey Results

The average number of transport trucks and road tractors licensed in Canada, as indicated from provincial registration records, amounted in 1958 to 862,775 as against 832,055 the previous year. The 1958 figure consisted of 50,503 or 5.9 per cent for hire carriers; 205,623 or 23.8 per cent private intercity trucks; 309,628 or 35.9 per cent private trucks operating predominantly within urban areas; and 297,021 or 34.4 per cent were farm trucks. Almost one third of the total number of trucks were reg-

istered in Ontario and just over one half were registered in the two provinces of Ontario and Quebec.

No figures are shown for certain vehicle groups throughout this report, indicating that no vehicles were selected in any of the ten samples. It does not necessarily follow that there were no vehicles belonging to these categories.

## Section I. Total Truck Traffic by Canadian Registered Trucks

Total miles travelled by transport trucks and road tractors increased by 11.9 per cent to 6,616 million in 1958 from 5,913 million in 1957. Despite the expansion in truck population, this increase in overall mileage raised the average mileage per truck to 7,700 miles in 1958 from 7,100 in the previous year. The average distance each ton of goods was carried increased appreciably to 34.0 miles from only 26.6 miles a year earlier and the proportion of mileage travelled empty remained virtually constant at about one half.

The amount of fuel consumed increased approximately in proportion to the increase in mileage travelled. Gasoline consumption rose by 15.1 per cent to 649,533,000 gallons in 1958 from 564,547,000 in 1957 while a larger proportionate rise of diesel fuel consumption, 35.6 per cent to 50,095,000 gallons in 1958 from 36,950,000 gallons in 1957, reflected a trend towards diesel-powered vehicles.

Nearly three quarters of all trucks registered in Canada had a gross vehicle weight of five tons or under. The average yearly mileage travelled by trucks in this group was generally below those of trucks in other weight groups and they travelled empty approximately 60 per cent of the time, carrying an average load of only one half ton. As a result, net ton miles performed amounted to 747 million or just 5 per cent of the total for all trucks. Therefore, those vehicles with a gross vehicle weight of over five tons, which comprised approximately one quarter of the total trucks registered in 1958, performed 95 per cent of the road transportation services of the country measured in terms of net ton miles.

The total weight of goods carried increased only slightly between the two years, but with longer trips being made the average net ton miles performed by each truck rose to 18,100 in 1958 from 14,400 in 1957 and the total net ton miles performed by all trucks rose to 15,645 million from 12,007 million.

### For Hire Trucks

This group continued to take the leading part in the movement of goods by road. Charts 1 and 2 show that for hire trucks, which represented only 5.9 per cent of total registrations, performed 59.6 per cent of truck transport net ton miles. For hire units travelled with an average load of 9.9 tons as compared with an average of 4.7 tons for trucks of all types. The same units travelled an average of 66.4 miles on each one-way trip as against 34.0 miles for trucks of all types.

Selected statistics in Table 5 illustrate some of the characteristics of forhire operations. Vehicles with a gross vehicle weight exceeding 20,000 lb. accounted for 64.5 per cent of all trucks in this group. The average distance goods were carried was much greater for those vehicles with a gross vehicle

weight over 30,000 lb. Revenue per ton mile is less for these long distance, larger trucks. The trucks with a gross vehicle weight under 20,000 lb. carried each ton of goods an average distance of 18.5 miles and received a revenue of 19.8¢ per ton mile. In contrast, trucks with a gross vehicle weight over 50,000 lb. transported each ton of freight an average distance of 158.1 miles and received a revenue of 5.5¢ per ton mile.

The Canadian for hire trucking industry accumulated a gross revenue of \$631 million from all its operations. This represented 6.8¢ per ton mile and an average revenue of \$12,500 per truck.

### Private Intercity Trucks

Vehicles in this group numbered 205,623, or 23.8 per cent of the total number of transport vehicles registered and performed 27.6 per cent of the total net ton miles. Nearly 75 per cent of the net ton miles accumulated by this group were performed by Ontario and Quebec registered trucks and these two provinces have about half of the private intercity trucks registered in Canada. The average yearly mileage of these trucks ranged from 6,000 miles in Newfoundland to 15,500 in Manitoba. As with for hire trucks, vehicles over 50,000 lb. gross vehicle weight carried each ton of freight the farthest distance, the average being 71.4 miles as compared with 31.3 miles for all private intercity trucks.

### Private Urban Trucks

The number of private urban vehicles registered in 1958 was 309,628 or 35.9 per cent of the total. Their average yearly mileage was 6,800 and their average weight carried was 1.5 tons as compared with a national average annual mileage for all trucks of 7,700 and an average load of 4.7 tons. This group consisted primarily of smaller trucks. This is illustrated clearly in their average mileage per gallon of gasoline which was 11.1 miles as against an average of 9.7 for all trucks despite the fact that they are operated in urban traffic conditions. With only 31.9 per cent of capacity utilized this group had an average performance of only 5,100 net ton miles per truck.

### Farm Trucks

The majority of farm trucks in Canada, 173,864 or 58.5 per cent, were registered in the prairie provinces, 79,065 or 26.6 per cent of which were in the province of Saskatchewan alone. In each of the prairie provinces farm trucks represented the majority of truck registrations with the highest concentration in Saskatchewan at 78.3 per cent. The average yearly mileage for farm trucks was 3,400 and the average net ton miles performed per truck was 1,500 ton miles. For 70.0 per cent of their total mileage these trucks were travelling empty, as a result of the seasonal nature of farming operations and the many cases where they are used for personal transportation and other work not involving the transportation of goods.



## Section II. Intraprovincial Traffic by For Hire and Private Intercity Trucks

This section summarizes intraprovincial traffic performed in individual provinces by for hire and private intercity trucks registered in those provinces. Statistics included here relate to intercity operations originating and terminating within the border of each province and exclude interprovincial and international traffic as well as traffic performed outside each province in which the vehicles are surveyed.

In terms of net ton miles performed by for hire and private intercity trucks, manufactures and miscellaneous commodities accounted for about half of the total in each case. But whereas each ton of this commodity group was carried approximately 95 miles by for hire vehicles, private intercity trucks transported each ton only about 48 miles. In terms of total weight of goods carried, however, mine products was the main commodity group carried for both classes of vehicle, amounting to a little less than half in each case. Each ton of this commodity was carried an average of 13.6 miles by for hire carriers and 10.3 miles by private intercity carriers. For hire carriers reported a higher average distance per ton for all commodities than private intercity carriers. Their averages for all intraprovincial traffic were 50.7 and 28.1 miles respectively.

## Section III. Interprovincial and International Traffic by Canadian Registered Trucks

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries from or to points outside the survey province. Interchange traffic, that is the movement

of goods to border points by one vehicle with transshipment to another vehicle, has not been included. Similarly road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, are excluded from this section.

On the present basis of sampling motor transport traffic, comparatively few trucks engaged in interprovincial and international traffic are included in these surveys and as a result wholly reliable estimates of such traffic have not been obtained. The data in this section of the report should be used, therefore, with considerable caution.

For hire trucks engaged in interprovincial traffic carried 3,234,000 tons of commodities, of which more than 65 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 957,000 tons of goods between provinces, of which 78 per cent was moved between Quebec and Ontario.

Exports to the United States carried by Canadian registered trucks amounted to 956,000 tons and imports by Canadian trucks from the United States totalled 720,000 tons. Of the total goods carried by for hire trucks in interprovincial and international service, 48 per cent were manufactures and miscellaneous products and 34 per cent were n.o.s. general freight. The main classes of commodity carried by private intercity trucks on interprovincial and international trips were manufactures and miscellaneous products (52 per cent) and forest products (23 per cent). The average length of haul for each ton of goods carried beyond provincial and national limits was 487 miles in the case of for hire trucks and 221 miles for private intercity trucks. These figures may be compared with 51 and 28 miles respectively for intraprovincial movements.

## Reliability of Motor Transport Traffic Statistics

### (a) Non-Sampling Variability

A certain amount of variance in motor transport traffic statistics arises from non-sampling factors including improper reporting by the respondent due to misinterpretation of questions or deliberate misstatements. Also, the respondent may not keep accurate records of traffic performed. The effect of these factors cannot be measured without a further follow-up and re-enumeration of the statistics reported.

### (b) Sampling Variability

Estimates for sampling error are shown in Appendix 3 for the following class totals (1) mileage travelled (2) weight of goods carried (3) net ton miles

and (4) revenue earned. These calculations have been made using a confidence limit of two standard deviations (i.e. allowing 95 out of 100 chances that the stated range contains the true value). The stability of the data varies according to the type of statistics involved and the number of trucks reporting in each category. Hence statistics of class totals are considered more reliable than those for any particular weight and national estimates offer more reliability than similar figures published for each province. Of the various types of data presented, the most stable statistics were "total mileage travelled" while variability seemed greatest for "weight of goods carried".

April 22, 1960.



## SECTION I. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1958

TABLE 1. All Trucks by Type of Operation  
A. 1958

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled.....	'000	1,299,274	2,205,415	2,090,989	1,020,334	6,616,012
Average yearly mileage per truck .....		25,700	10,700	6,800	3,400	7,700
Average distance each ton was carried .....		66.4	31.3	10.3	15.1	34.0
Percentage of total mileage travelled empty .....		27.5	54.5	49.9	70.0	50.1
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	164,062	217,633	187,373	80,465	649,533
Miles per gallon of gasoline .....		6.3	9.9	11.1	12.7	9.7
Total gallons of diesel oil consumed .....	'000	42,368	7,135	592	—	50,095
Miles per gallon of diesel oil .....		6.3	6.4	5.2	—	6.3
Total gallons of other fuel consumed .....	'000	163	480	—	—	643
Miles per gallon of other fuel.....		6.8	7.1	—	—	7.0
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	140,405	137,907	152,585	29,416	460,313
Average weight carried <sup>1</sup> .....	ton	9.9	4.3	1.5	1.5	4.7
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	9,326,756	4,309,895	1,565,335	443,297	15,645,283
Average net ton miles per truck.....		184,700	21,000	5,100	1,500	18,100
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	17,592,837	10,441,695	4,913,050	1,838,072	34,785,654
Average capacity ton miles per truck .....		348,400	50,800	15,900	6,200	40,300
Percentage of capacity utilized.....		53.0	41.3	31.9	24.1	45.0
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	18,760,149	11,747,997	6,721,037	2,688,876	39,918,059
Average gross ton miles per truck.....		371,500	57,100	21,700	9,100	46,300
<b>Revenue:</b>						
Total revenue .....	\$'000	630,999	—	—	—	—
Revenue per ton mile.....	¢	6.8	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	48.6	—	—	—	—
Average revenue per truck .....	\$	12,500	—	—	—	—
Average annual population .....		50,503	205,623	309,628	297,021	862,775

TABLE 1. All Trucks by Type of Operation  
B. 1957 (Revised)

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled.....	'000	1,044,861	2,157,152	1,727,339	983,862	5,913,214
Average yearly mileage per truck .....		22,500	10,000	6,200	3,400	7,100
Average distance each ton was carried .....		52.3	25.8	8.6	13.6	26.6
Percentage of total mileage travelled empty .....		29.6	56.1	45.5	65.7	49.9
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	133,574	203,086	153,563	74,324	564,547
Miles per gallon of gasoline.....		6.4	10.4	11.2	13.2	10.1
Total gallons of diesel oil consumed .....	'000	30,152	5,919	879	—	36,950
Miles per gallon of diesel oil .....		6.0	6.2	5.9	—	6.0
Total gallons of other fuel consumed .....	'000	542	849	12	—	1,403
Miles per gallon of other fuel.....		5.7	6.6	6.5	—	6.3
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	127,793	139,980	154,930	28,567	451,270
Average weight carried <sup>1</sup> .....	ton	9.1	3.8	1.4	1.2	4.1
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	6,685,590	3,604,694	1,327,743	389,103	12,007,130
Average net ton miles per truck.....		144,300	16,800	4,800	1,300	14,400
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	13,416,422	9,227,106	4,273,070	1,683,551	28,600,149
Average capacity ton miles per truck.....		289,500	42,900	15,300	5,800	34,400
Percentage of capacity utilized.....		49.8	39.1	31.1	23.1	42.0
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	13,608,676	10,378,487	5,682,958	2,501,393	32,171,514
Average gross ton miles per truck.....		293,600	48,300	20,400	8,600	38,700
<b>Revenue:</b>						
Total revenue .....	\$'000	490,905	—	—	—	—
Revenue per ton mile.....	¢	7.3	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	47.0	—	—	—	—
Average revenue per truck .....	\$	10,600	—	—	—	—
Average annual population .....		46,344	214,992	278,891	291,828	832,055

TABLE 2. All Trucks by Gross Vehicle Weight Group  
A. 1958

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	15-25 tons	Over 25 tons	Total
<b>Mileage:</b>								
Total mileage travelled.....'000	2,078,032	1,736,419	351,957	525,741	667,992	649,308	606,563	6,616,012
Average yearly mileage per truck.....	6,000	6,000	5,900	7,100	12,300	24,000	50,200	7,700
Average distance each ton was carried.....	20.1	16.8	13.7	15.7	16.4	37.3	126.1	34.0
Percentage of total mileage travelled empty.....	68.2	54.9	37.3	37.9	40.6	32.5	22.1	50.1
<b>Fuel:</b>								
Total gallons of gasoline consumed.....'000	138,635	143,929	37,282	65,193	92,793	97,775	73,926	649,533
Miles per gallon of gasoline.....	15.0	12.1	9.4	8.1	7.1	5.8	5.2	9.7
Total gallons of diesel oil consumed.....'000	—	—	—	—	1,351	13,818	34,926	50,095
Miles per gallon of diesel oil.....	—	—	—	—	7.6	6.1	6.3	6.3
Total gallons of other fuel consumed.....'000	—	21	—	91	373	125	33	643
Miles per gallon of other fuel.....	—	8.2	—	9.2	6.9	5.9	5.0	7.0
<b>Weight of goods carried:</b>								
Total tons of goods carried.....'000	11,089	31,128	31,615	70,563	141,096	123,953	50,869	460,313
Average weight carried¹.....ton	0.3	0.7	2.0	3.4	5.9	10.5	13.6	4.7
<b>Net ton miles:</b>								
Total net ton miles performed.....'000	222,885	524,286	433,681	1,108,795	2,320,471	4,622,112	6,413,053	15,645,283
Average net ton miles per truck.....	600	1,800	7,300	14,900	42,900	170,900	530,900	18,100
<b>Capacity ton miles:</b>								
Total capacity ton miles².....'000	1,683,587	2,366,214	1,201,814	2,840,599	5,334,689	9,461,200	11,897,551	34,785,654
Average capacity ton miles per truck.....	4,900	8,200	20,100	38,100	98,500	349,700	985,000	40,300
Percentage of capacity utilized.....	13.2	22.2	36.1	39.0	43.5	48.9	53.9	45.0
<b>Gross ton miles:</b>								
Total gross ton miles³.....'000	3,525,932	4,235,336	1,616,773	3,218,291	5,505,446	9,499,522	12,316,759	39,918,059
Average gross ton miles per truck.....	10,200	14,700	27,100	43,200	101,700	351,100	1,019,700	46,300
Average annual population.....	346,434	288,774	59,760	74,524	54,151	27,053	12,079	862,775

TABLE 2. All Trucks by Gross Vehicle Weight Group  
B. 1957 (Revised)

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	15-25 tons	Over 25 tons	Total
<b>Mileage:</b>								
Total mileage travelled.....'000	1,921,477	1,591,135	325,523	480,189	618,557	604,980	371,353	5,913,214
Average yearly mileage per truck.....	5,800	5,700	5,700	6,500	11,900	23,000	46,400	7,100
Average distance each ton was carried.....	17.1	12.0	13.5	14.4	13.8	33.8	126.3	26.6
Percentage of total mileage travelled empty.....	66.6	51.7	36.5	38.0	41.2	33.5	24.5	49.9
<b>Fuel:</b>								
Total gallons of gasoline consumed.....'000	125,977	121,989	33,140	58,125	86,252	92,627	46,437	564,547
Miles per gallon of gasoline.....	15.3	13.0	9.8	8.2	7.0	5.6	5.2	10.1
Total gallons of diesel oil consumed.....'000	—	—	85	132	1,159	13,775	21,799	36,950
Miles per gallon of diesel oil.....	—	—	9.2	9.0	6.3	6.2	5.9	6.0
Total gallons of other fuel consumed.....'000	18	81	6	120	638	54	486	1,403
Miles per gallon of other fuel.....	15.8	11.1	6.9	10.2	6.3	4.5	4.3	6.3
<b>Weight of goods carried:</b>								
Total tons of goods carried.....'000	11,594	39,767	30,999	69,399	148,659	120,997	29,855	451,270
Average weight carried¹.....ton	0.3	0.6	2.0	3.4	5.6	10.2	13.4	4.1
<b>Net ton miles:</b>								
Total net ton miles performed.....'000	197,938	478,296	419,646	998,975	2,053,558	4,088,086	3,770,631	12,007,130
Average net ton miles per truck.....	600	1,700	7,300	13,600	39,600	155,300	471,300	14,400
<b>Capacity ton miles:</b>								
Total capacity ton miles².....'000	1,570,913	2,183,461	1,129,010	2,628,102	4,934,333	8,549,732	7,604,598	28,600,149
Average capacity ton miles per truck.....	4,700	7,800	19,800	35,800	95,200	324,700	950,600	34,400
Percentage of capacity utilized.....	12.6	21.9	37.2	38.0	41.6	47.8	49.6	42.0
<b>Gross ton miles:</b>								
Total gross ton miles³.....'000	3,233,971	3,838,116	1,519,684	2,926,667	4,974,203	8,317,527	7,361,346	32,171,514
Average gross ton miles per truck.....	9,700	13,600	26,600	39,900	95,900	315,900	920,200	38,700
Average annual population.....	333,780	281,557	57,133	73,400	51,853	26,332	8,000	832,055

TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled .....	'000 56,280	30,882	219,712	169,843	1,433,788	2,447,421
Average yearly mileage per truck .....	5,100	5,800	7,300	7,600	9,300	8,700
Average distance each ton was carried .....	10.4	17.0	15.5	18.3	31.8	38.8
Percentage of total mileage travelled empty .....	67.7	66.2	61.4	54.2	43.0	46.1
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000 4,687	2,334	20,736	16,949	143,403	250,129
Miles per gallon of gasoline .....	12.0	13.2	10.6	9.9	9.5	9.3
Total gallons of diesel oil consumed .....	'000 —	—	31	145	11,642	19,223
Miles per gallon of diesel oil .....	—	—	5.4	9.4	6.1	6.6
Total gallons of other fuel consumed .....	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000 2,998	1,119	15,338	13,519	117,313	173,162
Average weight carried <sup>1</sup> .....	ton 1.7	1.8	2.8	3.2	4.6	5.1
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000 31,038	19,016	236,986	247,637	3,734,073	6,726,927
Average net ton miles per truck .....	2,800	3,500	7,900	11,100	24,300	24,000
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000 107,857	58,449	635,783	652,663	7,733,774	14,871,896
Average capacity ton miles per truck .....	9,700	10,900	21,100	29,300	50,400	53,100
Percentage of capacity utilized .....	28.8	32.5	37.3	37.9	48.3	45.2
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000 157,361	81,920	827,141	778,127	9,048,508	16,342,713
Average gross ton miles per truck .....	14,200	15,300	27,400	35,000	59,000	58,300
Average annual population .....	11,106	5,369	30,151	22,264	153,465	280,302
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled .....	'000 334,411	463,191	797,138	663,346	6,616,012	
Average yearly mileage per truck .....	6,100	4,600	7,000	7,400	7,700	
Average distance each ton was carried .....	40.3	30.0	38.5	27.6	34.0	
Percentage of total mileage travelled empty .....	50.9	58.7	54.4	62.3	50.1	
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000 33,100	46,020	73,151	59,024	649,533	
Miles per gallon of gasoline .....	9.6	9.8	10.0	10.8	9.7	
Total gallons of diesel oil consumed .....	'000 2,766	1,589	9,846	4,853	50,095	
Miles per gallon of diesel oil .....	6.2	6.5	6.5	5.3	6.3	
Total gallons of other fuel consumed .....	'000 —	—	471	172	643	
Miles per gallon of other fuel .....	—	—	7.3	6.1	7.0	
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000 19,030	28,075	51,671	38,088	460,313	
Average weight carried <sup>1</sup> .....	ton 4.7	4.4	5.5	4.2	4.7	
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000 767,026	841,437	1,989,139	1,052,004	15,645,283	
Average net ton miles per truck .....	14,000	8,300	17,400	11,700	18,100	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000 1,701,085	2,208,459	4,235,423	2,580,265	34,785,654	
Average capacity ton miles per truck .....	31,100	21,900	37,000	28,700	40,300	
Percentage of capacity utilized .....	45.1	38.1	47.0	40.8	45.0	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000 2,022,675	2,515,710	4,961,547	3,182,357	39,918,059	
Average gross ton miles per truck .....	37,000	24,900	43,300	35,400	46,300	
Average annual population .....	54,728	100,970	114,544	89,876	862,775	



TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled .....	7,388	1,947	15,925	9,417	292,167	520,787
Average yearly mileage per truck .....	8,200	13,700	16,200	19,100	21,700	31,100
Average distance each ton was carried .....	7.1	68.2	59.4	98.2	70.7	64.1
Percentage of total mileage travelled empty ....	44.7	19.3	26.8	25.0	24.5	26.9
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	814	206	2,114	1,277	33,415	71,208
Miles per gallon of gasoline .....	9.1	9.5	7.5	6.3	6.9	5.9
Total gallons of diesel oil consumed .....	—	—	—	145	10,035	15,287
Miles per gallon of diesel oil .....	—	—	—	9.4	6.2	6.5
Total gallons of other fuel consumed .....	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	1,828	67	1,106	581	28,398	64,212
Average weight carried <sup>1</sup> .....	3.2	2.9	5.6	8.1	9.1	10.8
<b>Net ton miles:</b>						
Total net ton miles performed .....	12,944	4,595	65,741	57,119	2,006,747	4,113,548
Average net ton miles per truck .....	14,300	32,400	66,700	116,100	149,100	245,400
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	32,126	10,914	133,701	110,604	3,445,718	7,992,114
Average capacity ton miles per truck .....	35,500	76,900	135,700	224,800	256,000	476,800
Percentage of capacity utilized .....	40.3	42.1	49.2	51.6	58.2	51.5
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	38,291	11,859	146,856	120,939	3,939,690	8,094,806
Average gross ton miles per truck .....	42,400	83,500	149,100	245,800	292,700	482,900
<b>Revenue:</b>						
Total revenue .....	2,262	510	6,734	4,655	157,791	268,155
Revenue per ton mile .....	17.5	11.1	10.2	8.1	7.9	6.5
Revenue per mile (total mileage travelled) .....	30.6	26.2	42.3	49.4	54.0	51.5
Average revenue per truck .....	2,500	3,600	6,800	9,500	11,700	16,000
Average annual population .....	904	142	985	492	13,461	16,763
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled .....	63,645	68,969	231,430	87,599	1,299,274	
Average yearly mileage per truck .....	47,900	40,900	24,500	16,500	25,700	
Average distance each ton was carried .....	268.3	178.5	57.6	43.2	66.4	
Percentage of total mileage travelled empty ....	17.7	30.4	33.3	29.7	27.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	7,763	9,822	26,234	11,209	164,062	
Miles per gallon of gasoline .....	6.1	6.1	6.4	6.2	6.3	
Total gallons of diesel oil consumed .....	2,673	1,407	9,503	3,318	42,368	
Miles per gallon of diesel oil .....	6.1	6.5	6.5	5.3	6.3	
Total gallons of other fuel consumed .....	—	—	163	—	163	
Miles per gallon of other fuel .....	—	—	6.8	—	6.8	
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	1,912	2,460	27,294	12,547	140,405	
Average weight carried <sup>1</sup> .....	9.8	9.2	10.2	8.8	9.9	
<b>Net ton miles:</b>						
Total net ton miles performed .....	512,985	439,126	1,572,082	541,869	9,326,756	
Average net ton miles per truck .....	386,000	260,600	166,500	102,200	187,700	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	919,737	940,752	2,889,058	1,118,113	17,592,837	
Average capacity ton miles per truck .....	692,100	558,300	306,000	210,900	348,400	
Percentage of capacity utilized .....	55.8	46.7	54.4	48.5	53.0	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	1,028,574	950,491	3,192,951	1,235,692	18,760,149	
Average gross ton miles per truck .....	773,900	564,100	338,200	233,100	371,500	
<b>Revenue:</b>						
Total revenue .....	28,572	26,740	87,838	47,742	630,999	
Revenue per ton mile .....	5.6	6.1	5.6	8.8	6.8	
Revenue per mile (total mileage travelled) .....	44.9	38.8	38.0	54.5	48.6	
Average revenue per truck .....	21,500	15,900	9,300	9,000	12,500	
Average annual population .....	1,329	1,685	9,441	5,301	50,503	

TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Average annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	18,483	137,545	341,239	2.5	18.5	67,709	19.8	17,943
20,001-30,000 lb. ....	52,497	156,005	1,003,162	6.4	19.1	89,689	8.9	14,017
30,001-50,000 lb. ....	37,334	269,158	2,909,976	10.8	77.9	195,801	6.7	10,177
50,001 lb. and over .....	32,091	378,825	5,072,379	13.4	158.1	277,800	5.5	8,366
<b>Total .....</b>	<b>140,405</b>	<b>941,533</b>	<b>9,326,756</b>	<b>9.9</b>	<b>66.4</b>	<b>630,999</b>	<b>6.8</b>	<b>50,503</b>

TABLE 6. Private Intercity Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	34,089	12,865	130,075	106,222	465,507	840,255	39,451	128,342	174,210	274,399	2,205,415
Average yearly mileage per truck .....	6,000	6,500	8,000	8,700	14,200	11,500	15,500	11,500	10,900	8,100	10,700
Average distance each ton was carried .....	20.4	14.7	13.9	15.3	30.1	40.0	47.8	22.3	42.6	30.8	31.3
Percentage of total mileage travelled empty .....	74.7	73.0	66.4	58.8	47.0	52.3	33.2	55.3	52.5	67.6	54.5
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2,618	871	12,233	10,783	48,811	86,145	4,199	13,241	15,153	23,579	217,633
Miles per gallon of gasoline ..	13.0	14.8	10.6	9.9	9.4	9.4	9.3	9.6	11.2	11.3	9.9
Total gallons of diesel oil consumed ..... '000	—	—	31	—	1,048	3,936	60	182	343	1,535	7,135
Miles per gallon of diesel oil..	—	—	5.4	—	6.2	6.8	6.9	6.6	6.6	5.2	6.4
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	308	172	480
Miles per gallon of other fuel..	—	—	—	—	—	—	—	—	7.6	6.1	7.1
<b>Weight of goods carried:</b>											
Total tons of goods carried .... '000	560	606	9,714	10,365	39,152	48,037	1,506	10,801	4,565	12,601	137,907
Average weight carried <sup>1</sup> ..... ton	1.3	2.6	3.1	3.6	4.8	4.8	2.7	4.2	2.4	4.4	4.3
<b>Net ton miles:</b>											
Total net ton miles performed. '000	11,424	8,900	134,759	158,894	1,179,374	1,921,561	71,922	240,434	194,638	387,989	4,309,895
Average net ton miles per truck .....	2,000	4,500	8,300	13,100	35,900	26,300	28,200	21,600	12,100	11,500	21,000
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	49,581	25,595	375,024	420,971	2,621,470	4,656,779	182,232	611,711	550,201	948,131	10,441,695
Average capacity ton miles per truck .....	8,700	12,900	23,100	34,600	79,900	63,600	71,400	55,000	34,300	28,100	50,800
Percentage of capacity utilized .....	23.0	34.8	35.9	37.7	45.0	41.3	39.5	39.3	35.4	40.9	41.3
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	80,351	36,055	484,876	489,484	2,870,989	5,060,558	213,568	679,666	676,815	1,155,635	11,747,997
Average gross ton miles per truck .....	14,100	18,200	29,800	40,200	87,500	69,100	83,700	61,100	42,200	34,200	57,100
Average annual population .....	5,700	1,977	16,250	12,166	32,818	73,192	2,553	11,125	16,050	33,792	205,623

TABLE 7. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Average annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	9,176	447,894	259,221	0.6	28.2	148,517
10,001-20,000 lb. ....	30,979	191,693	594,649	3.1	19.2	27,509
20,001-30,000 lb. ....	41,562	150,091	858,623	5.7	20.7	16,984
30,001-50,000 lb. ....	37,412	119,192	1,256,728	10.5	33.6	8,900
50,001 lb. and over .....	18,778	93,503	1,340,674	14.3	71.4	3,713
<b>Total .....</b>	<b>137,907</b>	<b>1,002,373</b>	<b>4,309,895</b>	<b>4.3</b>	<b>31.3</b>	<b>205,623</b>

TABLE 8. Private Urban Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	11,543	4,002	47,086	32,326	539,731	855,285	151,424	48,316	157,184	244,092	2,090,989
Average yearly mileage per truck .....	3,100	6,200	6,100	6,700	7,500	6,700	7,200	5,300	6,500	6,300	6,800
Average distance each ton was carried .....	10.9	9.7	7.3	11.1	10.6	10.9	11.1	7.2	8.6	8.7	10.3
Percentage of total mileage travelled empty .....	60.9	36.2	53.6	39.4	42.1	46.2	57.0	52.8	65.2	65.1	49.9
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	1,015	343	4,147	3,037	51,034	76,501	14,256	4,282	12,866	19,892	187,373
Miles per gallon of gasoline .....	11.4	11.7	11.4	10.6	10.5	11.2	10.6	11.3	12.2	12.3	11.1
Total gallons of diesel oil consumed ..... '000	—	—	—	—	559	—	33	—	—	—	592
Miles per gallon of diesel oil .....	—	—	—	—	5.2	—	5.5	—	—	—	5.2
Total gallons of other fuel consumed .....	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	556	198	3,643	1,966	47,661	56,373	13,026	4,459	12,813	11,890	152,585
Average weight carried <sup>1</sup> ..... ton	1.3	0.8	1.2	1.1	1.6	1.3	2.2	1.4	2.0	1.2	1.5
<b>Net ton miles:</b>											
Total net ton miles performed .... '000	6,078	1,933	26,567	21,855	507,302	612,765	144,129	31,943	109,622	103,141	1,565,335
Average net ton miles per truck ..	1,600	3,000	3,400	4,500	7,100	4,800	6,800	3,500	4,600	2,600	5,100
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	22,517	6,749	86,735	76,147	1,485,990	1,904,992	440,631	106,784	348,110	434,395	4,913,050
Average capacity ton miles per truck .....	5,900	10,500	11,200	15,800	20,700	14,900	20,900	11,700	14,500	11,100	15,900
Percentage of capacity utilized ..	27.0	28.6	30.6	28.7	34.1	32.2	32.7	29.9	31.5	23.7	31.9
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	32,069	9,964	131,391	104,506	1,939,875	2,652,780	556,520	156,739	471,086	666,107	6,721,037
Average gross ton miles per truck ..	8,500	15,500	16,900	21,700	27,100	20,800	26,400	17,200	19,600	17,100	21,700
Average annual population .....	3,785	641	7,762	4,816	71,685	127,701	21,063	9,095	24,037	39,043	309,628

See footnotes page 18.



TABLE 9. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	3,260	12,068	26,626	21,878	136,383	231,094	79,891	217,564	234,314	57,256	1,020,334
Average yearly mileage per truck .....	4,500	4,600	5,200	4,600	3,800	3,700	2,700	2,800	3,600	4,900	3,400
Average distance each ton was carried .....	11.0	14.5	11.3	16.1	19.3	17.4	14.7	12.5	16.1	18.1	15.1
Percentage of total mileage travelled empty .....	70.2	76.4	71.5	66.3	72.0	66.5	74.4	70.4	69.4	74.3	70.0
<b>Fuel:</b>											
Total gallons of gasoline consumed.... '000	240	914	2,242	1,852	10,143	16,275	6,882	18,675	18,898	4,344	80,465
Miles per gallon of gasoline .....	13.6	13.2	11.9	11.8	13.4	14.2	11.6	11.7	12.4	13.2	12.7
Total gallons of diesel oil consumed .....	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	54	248	875	607	2,102	4,540	2,586	10,355	6,999	1,050	29,416
Average weight carried <sup>1</sup> ..... ton	0.6	1.3	1.3	1.3	1.1	1.0	1.9	2.0	1.6	1.3	1.5
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	592	3,588	9,919	9,769	40,650	79,053	37,990	129,934	112,797	19,005	443,297
Average net ton miles per truck .....	800	1,400	1,900	2,000	1,100	1,300	1,300	1,600	1,700	1,600	1,500
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	3,633	15,191	40,323	44,941	180,596	318,011	158,485	549,212	448,054	79,626	1,838,072
Average capacity ton miles per truck..	5,100	5,800	7,800	9,400	5,100	5,100	5,300	6,900	6,900	6,800	6,200
Percentage of capacity utilized .....	16.3	23.6	24.6	21.7	22.5	24.9	24.0	23.7	25.2	23.9	24.1
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	6,650	24,042	64,018	63,198	297,954	534,569	224,013	728,814	620,695	124,923	2,688,876
Average gross ton miles per truck .....	9,300	9,200	12,400	13,200	8,400	8,500	7,500	9,200	9,500	10,600	9,100
Average annual population .....	717	2,609	5,154	4,790	35,501	62,646	29,783	79,065	65,016	11,740	297,021

<sup>1</sup> Ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.<sup>3</sup> Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

## SECTION II-INTRAPROVINCIAL TRAFFIC BY FOR HIRE AND PRIVATE INTERCITY TRUCKS IN CANADA, 1958.

TABLE 10. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
20,000 lb. and under .....	8,909	73,640	220,964	3.0	24.8	31,704	14.3
20,001-30,000 lb. ....	36,792	114,358	709,168	6.2	19.3	61,552	8.7
30,001-50,000 lb. ....	20,478	124,922	1,294,554	10.4	63.2	94,500	7.3
50,001 lb. and over .....	23,030	179,394	2,297,245	12.8	99.8	150,299	6.5
<b>Total .....</b>	<b>89,209</b>	<b>492,314</b>	<b>4,521,931</b>	<b>9.2</b>	<b>50.7</b>	<b>338,055</b>	<b>7.5</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
	10,000 lb. and under .....	7,650	378,341	224,809	0.6	29.4	
	10,001-20,000 lb. ....	27,418	166,419	529,937	3.2	19.3	
20,001-30,000 lb. ....	36,089	130,310	752,930	5.8	20.9		
30,001-50,000 lb. ....	31,671	89,653	935,316	10.4	29.5		
50,001 lb. and over .....	15,293	60,887	880,328	14.5	57.6		
<b>Total .....</b>	<b>118,121</b>	<b>825,610</b>	<b>3,323,320</b>	<b>4.0</b>	<b>28.1</b>		

TABLE 11. Selected Statistics of Intercity Traffic by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	2,731	18,258	188,919	10.3	69.2	12,107	6.4
Animals and animal products.....	4,824	62,861	322,547	5.1	66.9	29,505	9.1
Mine products.....	42,010	57,118	571,238	10.0	13.6	37,928	6.6
Forest products .....	3,542	16,559	179,560	10.8	50.7	12,849	7.2
Manufactures and miscellaneous.....	23,214	208,293	2,209,111	10.6	95.2	148,770	6.7
N.O.S. general freight.....	12,888	129,225	1,050,556	8.1	81.5	96,896	9.2
<b>Total .....</b>	<b>89,209</b>	<b>492,314</b>	<b>4,521,931</b>	<b>9.2</b>	<b>50.7</b>	<b>338,055</b>	<b>7.5</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	4,793	41,721	218,583	5.2	45.6		
Animals and animal products.....	4,074	90,379	237,717	2.6	58.3		
Mine products.....	53,498	65,739	550,636	8.4	10.3		
Forest products.....	13,781	57,133	438,721	7.7	31.8		
Manufactures and miscellaneous.....	35,434	492,813	1,687,774	3.4	47.6		
N.O.S. general freight.....	6,541	77,825	189,889	2.4	29.0		
<b>Total .....</b>	<b>118,121</b>	<b>825,610</b>	<b>3,323,320</b>	<b>4.0</b>	<b>28.1</b>		

## SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1958

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
From:	'000 tons									
Atlantic provinces.....	—	19	3	—	—	—	—	—	9	31
Quebec .....	26	—	1,094	2	—	37	2	—	131	1,292
Ontario .....	4	1,022	—	101	7	90	1	—	149	1,374
Manitoba .....	—	2	92	—	118	25	3	—	12	252
Saskatchewan.....	—	—	7	97	—	43	—	—	7	154
Alberta .....	—	33	89	35	29	—	119	2	11	318
British Columbia .....	—	—	3	3	1	111	—	2	101	221
Yukon and Northwest Territories .....	—	—	—	—	—	12	—	—	—	12
United States .....	5	148	213	21	3	5	77	—	—	472
<b>Total .....</b>	<b>35</b>	<b>1,224</b>	<b>1,501</b>	<b>259</b>	<b>158</b>	<b>323</b>	<b>202</b>	<b>4</b>	<b>420</b>	<b>4,126</b>
From:	Private intercity									
	'000 tons									
Atlantic provinces.....	—	7	1	—	—	—	—	—	29	37
Quebec .....	4	—	405	—	1	—	—	—	272	682
Ontario .....	1	340	—	6	1	4	8	—	229	589
Manitoba .....	—	—	16	—	24	1	—	—	5	46
Saskatchewan.....	—	—	—	7	—	15	—	—	—	22
Alberta .....	—	—	3	1	16	—	23	—	—	43
British Columbia .....	—	—	1	—	—	33	—	27	1	62
Yukon and Northwest Territories .....	—	—	—	—	—	—	12	—	—	12
United States .....	7	4	201	—	2	3	31	—	—	248
<b>Total .....</b>	<b>12</b>	<b>351</b>	<b>627</b>	<b>14</b>	<b>44</b>	<b>56</b>	<b>74</b>	<b>27</b>	<b>536</b>	<b>1,741</b>

TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	192	8,770	70,971	8.1	369.6	6,307	8.9
30,001-50,000 lb. ....	1,725	55,631	642,386	11.5	372.4	38,552	6.0
50,001 lb. and over .....	2,209	93,658	1,297,171	13.9	587.2	59,269	4.6
<b>Total</b> .....	<b>4,126</b>	<b>158,059</b>	<b>2,010,528</b>	<b>12.7</b>	<b>487.3</b>	<b>104,128</b>	<b>5.2</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	155	10,125	15,166	1.5			97.8
20,001-30,000 lb. ....	161	3,751	21,252	5.7			132.0
30,001-50,000 lb. ....	772	12,700	139,948	11.0			181.3
50,001 lb. and over .....	653	14,989	208,343	13.9			319.1
<b>Total</b> .....	<b>1,741</b>	<b>41,565</b>	<b>384,709</b>	<b>9.3</b>			<b>221.0</b>

TABLE 14. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	223	7,621	103,399	13.6	463.7	4,515	4.4
Animals and animal products .....	291	22,554	282,719	12.5	971.5	10,448	3.7
Mine products .....	61	644	9,558	14.8	156.7	732	7.7
Forest products .....	160	1,881	26,855	14.3	167.8	1,906	7.1
Manufactures and miscellaneous .....	1,984	73,041	899,244	12.3	453.2	49,463	5.5
N.O.S. general freight .....	1,407	52,318	688,753	13.2	489.5	37,064	5.4
<b>Total</b> .....	<b>4,126</b>	<b>158,059</b>	<b>2,010,528</b>	<b>12.7</b>	<b>487.3</b>	<b>104,128</b>	<b>5.2</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	140	4,864	55,755	11.5			398.3
Animals and animal products .....	89	3,512	27,988	8.0			314.5
Mine products .....	54	669	10,049	15.0			186.1
Forest products .....	397	3,931	49,855	12.7			125.6
Manufactures and miscellaneous .....	897	22,071	186,707	8.5			208.1
N.O.S. general freight .....	164	6,518	54,355	8.3			331.4
<b>Total</b> .....	<b>1,741</b>	<b>41,565</b>	<b>384,709</b>	<b>9.3</b>			<b>221.0</b>



## Appendix I

## Average Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Group, 1958

Type of operation and gross vehicle weight	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>For hire:</b>												
0 - 2½ tons .....					97	252	128	—	—	144	74	695
2½- 5 " .....					492	2,018	678	97	105	459	618	4,467
5 - 7½ " .....					643	2,640	797	49	40	210	404	4,783
7½-10 " .....	1	1	1	1	473	2,200	2,645	211	130	1,638	701	7,998
10 -15 " .....					475	2,271	4,364	157	308	4,803	1,639	14,017
15 -25 " .....					244	4,080	2,215	408	860	1,317	1,053	10,177
Over 25 " .....					99	—	5,936	407	242	870	812	8,366
<b>Total .....</b>	<b>904</b>	<b>142</b>	<b>985</b>	<b>492</b>	<b>2,523</b>	<b>13,461</b>	<b>16,763</b>	<b>1,329</b>	<b>1,685</b>	<b>9,441</b>	<b>5,301</b>	<b>50,503</b>
<b>Private — Intercity:</b>												
0 - 2½ tons .....					5,830	7,323	40,675	—	5,349	9,054	16,058	84,289
2½- 5 " .....					21,817	11,702	11,527	1,596	2,048	3,471	12,067	64,228
5 - 7½ " .....					1,680	2,471	3,531	227	495	661	1,578	10,643
7½-10 " .....	1	1	1	1	4,271	2,278	6,953	322	922	1,246	874	16,866
10 -15 " .....					2,245	4,287	5,775	247	1,677	1,176	1,577	16,984
15 -25 " .....					209	4,757	1,705	115	564	310	1,240	8,900
Over 25 " .....					41	—	3,026	46	70	132	398	3,713
<b>Total .....</b>	<b>5,700</b>	<b>1,977</b>	<b>16,250</b>	<b>12,166</b>	<b>36,093</b>	<b>32,818</b>	<b>73,192</b>	<b>2,553</b>	<b>11,125</b>	<b>16,050</b>	<b>33,792</b>	<b>205,623</b>
<b>Urban:</b>												
0 - 2½ tons .....					3,458	17,911	74,537	4,809	5,346	16,057	17,720	139,838
2½- 5 " .....					9,951	34,334	28,697	10,744	1,776	3,360	15,038	103,900
5 - 7½ " .....					1,600	6,950	8,137	1,685	485	683	2,486	22,026
7½-10 " .....	1	1	1	1	1,362	4,624	9,137	2,370	703	2,378	1,516	22,090
10 -15 " .....					575	4,376	4,784	986	603	1,053	1,523	13,900
15 -25 " .....					58	3,490	2,409	469	182	506	760	7,874
Over 25 " .....					—	—	—	—	—	—	—	—
<b>Total .....</b>	<b>3,785</b>	<b>641</b>	<b>7,762</b>	<b>4,816</b>	<b>17,004</b>	<b>71,685</b>	<b>127,701</b>	<b>21,063</b>	<b>9,095</b>	<b>24,037</b>	<b>39,043</b>	<b>309,628</b>
<b>Farm:</b>												
0 - 2½ tons .....					2,530	17,678	46,138	2,936	14,070	31,896	6,364	121,612
2½- 5 " .....					9,222	15,705	13,107	20,056	36,585	17,064	4,440	116,179
5 - 7½ " .....	1	1	1	1	708	1,647	1,559	4,070	10,665	2,964	695	22,308
7½-10 " .....					618	368	1,273	2,418	11,520	11,238	135	27,570
10 -15 " .....					188	103	569	281	6,175	1,839	95	9,250
15 -25 " .....					4	—	—	22	50	15	11	102
Over 25 " .....					—	—	—	—	—	—	—	—
<b>Total .....</b>	<b>717</b>	<b>2,609</b>	<b>5,154</b>	<b>4,790</b>	<b>13,270</b>	<b>35,501</b>	<b>62,646</b>	<b>29,783</b>	<b>79,065</b>	<b>65,016</b>	<b>11,740</b>	<b>297,021</b>
<b>All trucks:</b>												
0 - 2½ tons .....					11,915	43,164	161,478	7,745	24,765	57,151	40,216	346,434
2½- 5 " .....					41,482	63,759	54,009	32,493	40,514	24,354	32,163	288,774
5 - 7½ " .....	1	1	1	1	4,631	13,708	14,024	6,031	11,685	4,518	5,163	59,760
7½-10 " .....					6,724	9,470	20,008	5,321	13,275	16,500	3,226	74,524
10 -15 " .....					3,483	11,037	15,492	1,671	8,763	8,871	4,834	54,151
15 -25 " .....					515	12,327	6,329	1,014	1,656	2,148	3,064	27,053
Over 25 " .....					140	—	8,962	453	312	1,002	1,210	12,079
<b>Total .....</b>	<b>11,106</b>	<b>5,369</b>	<b>30,151</b>	<b>22,264</b>	<b>68,890</b>	<b>153,465</b>	<b>280,302</b>	<b>54,728</b>	<b>100,970</b>	<b>114,544</b>	<b>89,876</b>	<b>862,775</b>

<sup>1</sup> Population estimates by gross vehicle weight group are not considered sufficiently reliable.

## Appendix II

## Survey Response, by Type of Operation and Province, 1958

Type of Operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	384	69	341	208	2,468	3,630	393	541	2,447	1,140	11,621
Private:											
Intercity .....	859	507	2,903	2,250	4,396	8,000	427	1,706	1,589	3,438	26,075
Urban .....	468	183	1,314	885	8,364	11,931	2,851	1,080	2,157	3,854	33,087
Farm .....	147	572	666	704	2,601	4,378	2,452	9,466	6,192	976	28,154
<b>Total</b> .....	<b>1,858</b>	<b>1,331</b>	<b>5,224</b>	<b>4,047</b>	<b>17,829</b>	<b>27,939</b>	<b>6,123</b>	<b>12,793</b>	<b>12,385</b>	<b>9,408</b>	<b>98,937</b>
Number of questionnaires returned completed											
For hire .....	136	23	155	89	1,332	1,928	256	294	977	608	5,798
Private:											
Intercity .....	337	205	1,420	930	2,044	4,008	264	728	763	1,620	12,319
Urban .....	190	70	644	364	3,945	5,985	1,331	483	1,047	1,834	15,893
Farm .....	59	233	339	295	939	2,275	829	2,924	2,566	482	10,941
<b>Total</b> .....	<b>722</b>	<b>531</b>	<b>2,558</b>	<b>1,678</b>	<b>8,260</b>	<b>14,196</b>	<b>2,680</b>	<b>4,429</b>	<b>5,353</b>	<b>4,544</b>	<b>44,951</b>
Number of sampled trucks reported not in use during survey week											
For hire .....	127	22	101	57	463	586	73	124	681	298	2,532
Private:											
Intercity .....	233	103	760	665	980	2,053	91	534	440	831	6,690
Urban .....	107	39	334	251	1,668	2,842	737	310	582	933	7,803
Farm .....	40	106	154	194	603	992	1,037	4,431	2,378	212	10,147
<b>Total</b> .....	<b>507</b>	<b>270</b>	<b>1,349</b>	<b>1,167</b>	<b>3,714</b>	<b>6,473</b>	<b>1,938</b>	<b>5,399</b>	<b>4,081</b>	<b>2,274</b>	<b>27,172</b>
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	121	24	85	62	673	1,116	64	123	789	234	3,291
Private:											
Intercity .....	289	199	723	655	1,372	1,939	72	444	386	987	7,066
Urban .....	171	74	336	270	2,751	3,104	783	287	528	1,087	9,391
Farm .....	48	233	173	215	1,059	1,111	586	2,111	1,248	282	7,066
<b>Total</b> .....	<b>629</b>	<b>530</b>	<b>1,317</b>	<b>1,202</b>	<b>5,855</b>	<b>7,270</b>	<b>1,505</b>	<b>2,965</b>	<b>2,951</b>	<b>2,590</b>	<b>26,814</b>

## Appendix III

## Reliability of Motor Transport Traffic Statistics, 1958

	Number of trucks reporting	Survey estimates	Sampling variability (Two standard deviations)		Range (Col. 2 plus and minus col. 3)	
			Size	Per cent of col. 2	Lower limit	Upper limit
	(1)	(2)	(3)	(4)	(5)	(6)
		'000	'000		'000	'000
<b>A. Traffic performed by Canadian registered trucks</b>						
Total mileage travelled						
	miles	miles			miles	miles
For hire .....	5,691	1,299,274	25,985	2.0	1,273,289	1,325,259
Private:						
Intercity .....	12,220	2,205,415	35,287	1.6	2,170,128	2,240,702
Urban .....	15,893	2,090,989	29,274	1.4	2,061,715	2,120,263
Farm .....	10,940	1,020,334	22,447	2.2	997,887	1,042,781
<b>Total</b> .....	<b>44,744</b>	<b>6,616,012</b>	<b>52,928</b>	<b>0.8</b>	<b>6,563,084</b>	<b>6,668,940</b>
Weight of goods carried						
	tons	tons			tons	tons
For hire .....	5,604	140,405	6,178	4.4	134,227	146,583
Private:						
Intercity .....	8,675	137,907	6,068	4.4	131,839	143,975
Urban .....	11,450	152,585	5,493	3.6	147,092	158,078
Farm .....	7,452	29,416	1,059	3.6	28,357	30,475
<b>Total</b> .....	<b>33,181</b>	<b>460,313</b>	<b>10,127</b>	<b>2.2</b>	<b>450,186</b>	<b>470,440</b>

## Appendix III — Concluded

## Reliability of Motor Transport Traffic Statistics, 1958 — Concluded

	Number of trucks reporting (1)	Survey estimates (2)	Sampling variability (Two standard deviations)		Range (Col. 2 plus and minus col. 3)	
			Size (3)	Per cent of col. 2 (4)	Lower limit (5)	Upper limit (6)
		'000	'000		'000	'000
<b>A. Traffic performed by Canadian registered trucks — Concluded</b>						
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire .....	5,604	9,326,756	279,803	3.0	9,046,953	9,606,559
Private:						
Intercity .....	8,669	4,309,895	120,677	2.8	4,189,218	4,430,572
Urban .....	11,431	1,565,335	37,568	2.4	1,527,767	1,602,903
Farm .....	7,267	443,297	20,392	4.6	422,905	463,689
<b>Total</b> .....	<b>32,971</b>	<b>15,645,283</b>	<b>250,325</b>	<b>1.6</b>	<b>15,394,958</b>	<b>15,895,608</b>
Revenue earned						
		\$	\$		\$	\$
For hire .....	921	630,999	15,144	2.4	615,855	646,143
<b>B. Interprovincial and international traffic</b>						
Weight of goods carried						
		tons	tons		tons	tons
For hire .....	727	4,126	239	5.8	3,887	4,365
Private:						
Intercity .....	334	1,741	226	13.0	1,515	1,967
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire .....	727	2,010,528	112,590	5.6	1,897,938	2,123,118
Private:						
Intercity .....	334	384,709	46,934	12.2	337,775	431,643

Note: The chances are 95 out of 100 that the range (sample estimate  $\pm$  sampling variability) contains the true value. Consider "total mileage travelled" by for hire trucks. It can be assumed that the computed figure, 1,299,274,000 miles, will not be more than 25,985,000 miles (plus or minus 2.0 per cent of 1,299,274,000) away from the "true" value in 95 out of 100 cases. In other words, the chances are 95 out of 100 that the true value will fall within a range of 1,273,289,000 to 1,325,259,000.

## Appendix IV

## Commodity Classification

Agricultural products: Flour Fruit Grain Grain products Sugar beets Vegetables Other agricultural products  Animals and animal products: Animals and live poultry, n.o.s. <sup>1</sup> Butter, cheese and eggs Cattle, calves and hogs Dressed meats and packing house products Fish Hides and skins Milk, cream Wool Other animal products  Mine products: Coal and coke Crude petroleum Ore and concentrates Sand, gravel, crushed rock and fill Other mine products	Forest products: Cordwood, fuelwood Logs, poles, posts and ties Lumber, timber, lath, etc. Pulpwood Other forest products  Manufactured products: Agricultural implements, farm tractors and parts Animal, fish or vegetable oil Automobiles and parts Building products, brick, cement, etc. Empty containers, wood or metal Fertilizers, chemicals and acids Food products, groceries, canned goods Furniture, furnishings and personal effects Gasoline Hardware Iron and steel products Machines, machinery and parts Metal products, n.o.s. Newspapers and other printed material Newsprint Paper products, n.o.s. Petroleum products, n.o.s. Rubber and rubber products Scrap and waste metal Soft drinks, beer and other beverages Textiles Tools and equipment Wood products, plywood, veneer, etc. Other manufactures  General freight and miscellaneous
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<sup>1</sup> n.o.s. — Not otherwise specified.



## Appendix V

## Description of Vehicle Classifications, 1958

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

## For hire trucks

## Atlantic provinces:

No separate licence —

Newfoundland — trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island — trucks operated for compensation on intercity routes and/or in urban areas, except those used in carrying mail, earth sand or gravel; or used on government construction work; for the transportation of unprocessed products of the land, sea or forest; or by a farmer, fisherman or lumberman.

New Brunswick — trucks owned by companies or individuals licensed by the Motor Carrier Board

## Quebec:

"L" licensed vehicles — operated for compensation in intercity or urban service.

## Ontario:

Public Commercial Vehicles (P.C.V.) — operated for compensation outside urban areas (rural and intercity routes).

## Manitoba:

Public Service Vehicles (P.S.V.) — operated for compensation beyond 15 miles radius of place of registration.

## Saskatchewan:

"A" and "E" licensed vehicles — operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

## Alberta:

"E" and "P.S.V." licensed vehicles — operated for compensation in transporting general merchandise or specified commodities on intercity routes.

## British Columbia:

"E", "Q", "H" and "J" carrier licensed vehicles — operated for compensation in intercity service or in urban areas.

## Private intercity trucks

## Atlantic provinces:

No separate licence — trucks operated on intercity routes by a fisherman or lumberman; or those used in transporting mail, sand or gravel, unprocessed products of the land, sea or forest; or used on government construction work; or privately owned trucks transporting owners' goods outside urban areas.

## Quebec:

No separate licence — trucks with "F" licences operated outside urban areas.

## Ontario:

No separate licence — private non-farm trucks operated outside urban areas.

## Manitoba:

"C.T." licensed vehicles — private non-farm trucks which may operate beyond 15 miles radius of place of registration.

## Saskatchewan:

No separate licence — trucks with "C" or "D" licences operated outside urban areas.

## Private intercity trucks — Concluded

## Alberta:

"CV" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

## British Columbia:

No separate licence — private non-farm trucks operated beyond urban areas.

## Private urban trucks

## Atlantic provinces:

No separate licence — trucks operated in urban areas for transporting mail, earth, sand or gravel, unprocessed products of sea; or used on government construction work; and privately owned trucks transporting owners' goods in urban areas.

## Quebec:

No separate licence — trucks with "F" licences operated in urban areas.

## Ontario:

No separate licence — private trucks operated in urban areas.

## Manitoba:

"T" and "DC" licensed vehicles — trucks operated within 15 miles radius of the place of registration.

## Saskatchewan:

No separate licence — trucks with "C" or "D" licences operated within urban areas.

## Alberta:

"C" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

## British Columbia:

No separate licence — trucks which do not have a carrier licence and are operated within urban areas.

## Farm trucks

## Atlantic provinces:

Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia.

## Quebec:

"N" licensed vehicles — owned and operated by a farmer.

## Ontario:

No separate licence — trucks owned and operated by a farmer.

## Manitoba:

"FT" licensed vehicles — trucks owned and operated by a farmer.

## Saskatchewan:

"F" licensed vehicles — trucks owned and operated by a farmer.

## Alberta:

"F" licensed vehicles — trucks owned and operated by a farmer.

## British Columbia:

No separate licence — trucks owned and operated by a farmer.

## Appendix VI

## DOMINION BUREAU OF STATISTICS

Transportation Section

# TRUCKING SURVEY

## QUESTIONNAIRE

### 1958

To be completed by all vehicle operators regardless of the purpose for which vehicle is used—and to be returned at end of Survey Week.

This questionnaire pertains only to the following vehicle:

SERIAL No. \_\_\_\_\_

The SURVEY WEEK, during which the owner of this vehicle is to report operating data,

begins  
**SUNDAY**  
morning

ends  
**SATURDAY**  
midnight

8504—110.1: 18-10-57

## INSTRUCTIONS FOR REPORTING OPERATIONS

## IF VEHICLE WAS USED FOR:

Answer questions  
on pages:

1. Personal transportation only (with no loads carried) 5,6,7
2. Urban operations (those within a town, city or metropolitan area and a five mile limit thereof) ..... 5,6,7,8 and 9
3. Intercity operations (those beyond a five mile limit of a town, city or metropolitan area) ..... 5,6,7 and 10
4. Intercity and urban operations ..... 5,6,7,8,9 and 10
5. Rural (including farm) operations (those beyond a five mile limit of a town, city or metropolitan area) 5,6,7 and 9,10

IF VEHICLE WAS NOT USED ..... 5,6

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-67054 or 9-24275) or contact one of the Regional Offices listed below.

City	Address	Phone No.
St. John's, Nfld.	6 Freshwater Rd., (P.O. Box H-229)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7690
Montreal, P.Q.	Room 1016, Castle Bldg., 1410 Stanley St.	BE-4165
Toronto, Ont.	215 Victoria St.	EM-8-5907
Winnipeg, Man.	504 Winnipeg General Post Office	WH-3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA-4-0251 (Local 258)
Vancouver, B.C.	Room 404, 326 Howe St.	PA-5288

## IMPORTANT INFORMATION - PLEASE READ CAREFULLY

## Purpose

The Dominion Bureau of Statistics is conducting this survey in order to produce more complete statistics on all phases of Motor Truck Transportation.

## Identification of Vehicle

Information contained in the large rectangle on the cover identifies the particular vehicle selected for this survey by serial number, gross vehicle weight, tare weight, make, year, and licence number, etc. **N.B. Please do not substitute any other vehicle for the one indicated.**

## Method of Selection

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle. No particular vehicle will be surveyed more than once during any licence year.

## Tractors

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

## Units of Measure

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

## If Vehicle did not Operate

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete pages 5 and 6, mark the questionnaire "not used", and return.

## If Vehicle Sold

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" on the last page and return the book in the envelope provided.

- 4 -

## QUESTIONS TO BE ANSWERED BY EVERYONE

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_

## 1. Is this vehicle used predominantly (check (v) one)

- ☐ for revenue earning purposes (for hire or contract carrier)?
- ☐ to carry or distribute own goods on intercity routes?
- ☐ to carry or distribute own goods in urban areas?
- ☐ by a farmer to carry goods to and from the farm?
- ☐ for personal transportation?

## 2. Is this vehicle licensed in more than one province \_\_\_\_\_? (yes or no)

3. If yes, which provinces? ☐ Newfoundland ☐ Ontario
- ☐ Prince Edward Island ☐ Manitoba
- ☐ Nova Scotia ☐ Saskatchewan
- ☐ New Brunswick ☐ Alberta
- ☐ Quebec ☐ British Columbia
- ☐ Yukon and N.W.T.

## Appendix VI — Continued

## QUESTIONS TO BE ANSWERED BY EVERYONE

4. If this is a tractor-trailer combination, please check (✓) the type of combination below.

4 or 5 axles	5 axles	6 axles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If other than shown above, please describe, indicating number of axles.

5. Model (check (✓) one)

<input type="checkbox"/> Pickup	<input type="checkbox"/> Metro	<input type="checkbox"/> Box
<input type="checkbox"/> Express	<input type="checkbox"/> Van	<input type="checkbox"/> Pole or logging
<input type="checkbox"/> Panel	<input type="checkbox"/> Platform	<input type="checkbox"/> Flatdeck
<input type="checkbox"/> Sedan delivery	<input type="checkbox"/> Stake	<input type="checkbox"/> Lowbed
<input type="checkbox"/> Station wagon	<input type="checkbox"/> Mixer	<input type="checkbox"/> Auto carrier
<input type="checkbox"/> Jeep	<input type="checkbox"/> Dump	<input type="checkbox"/> Bulk carrier
<input type="checkbox"/> Utility	<input type="checkbox"/> Tank	<input type="checkbox"/> Mechanically refrigerated
<input type="checkbox"/> Other, please describe _____		

6. What is the maximum gross weight\* of the truck or tractor-trailer combination? \_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

— 6 —

## QUESTIONS TO BE ANSWERED BY EVERYONE

7. Speedometer reading at BEGINNING of the Survey Week

\_\_\_\_\_ miles

8. Speedometer reading at the END of the Survey Week

\_\_\_\_\_ miles

If speedometer is not working please estimate your total mileage for the seven day period.

\_\_\_\_\_ miles

9. Gallons of Fuel Used (during the week)

Imperial Gallons \_\_\_\_\_

U.S. Gallons \_\_\_\_\_

10. Kind of Fuel Used (check (✓) one)

Gasoline ☐

Diesel Oil ☐

Other ☐

— 7 —

## URBAN OPERATIONS

— are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported on page 10.)

1. WEIGHT OF GOODS ON THE VEHICLE (estimate if necessary)

	10:00 a.m.		3:00 p.m.	
Sun. _____	Pounds	_____	Pounds	_____
Mon. _____	"	_____	"	_____
Tues. _____	"	_____	"	_____
Wed. _____	"	_____	"	_____
Thurs. _____	"	_____	"	_____
Fri. _____	"	_____	"	_____
Sat. _____	"	_____	"	_____

Required to determine the average load carried each day. If 10 a.m. and 3 p.m. are not fairly representative of your operations, please report loads carried at other more appropriate times.

2. TOTAL WEIGHT OF GOODS LOADED EACH DAY (estimate if necessary)

Sun. _____	Pounds	Thurs. _____	Pounds
Mon. _____	"	Fri. _____	"
Tues. _____	"	Sat. _____	"
Wed. _____	"		

3. MILES TRAVELLED EACH DAY WITHOUT LOAD

Sun. _____	Miles	Thurs. _____	Miles
Mon. _____	"	Fri. _____	"
Tues. _____	"	Sat. _____	"
Wed. _____	"		

— 8 —

## Urban Operations — concluded

4. If this vehicle is a common or for hire carrier, what was the revenue received for performing urban services during the Survey Week?

\$ \_\_\_\_\_

## RURAL OPERATIONS

1. Does the owner of this vehicle own or operate a farm?

Yes ☐ No ☐

2. If yes, is this vehicle used primarily to carry supplies to and products from that farm?

Yes ☐ No ☐

3. If the operator of this vehicle owns a farm but does not use the vehicle primarily to carry supplies to and products from that farm, then what is the primary purpose for which the vehicle is used?

Answer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

— 9 —



## Appendix VI - Concluded

## INTERCITY AND RURAL TRIP LOG

Operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

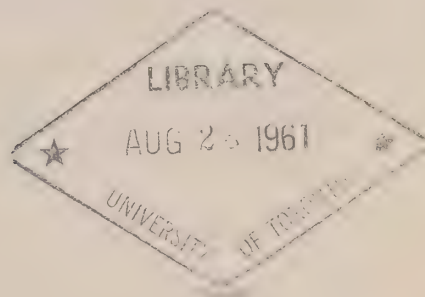
INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip			
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines			
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm			
3. One-way mileage	350	350	23	23			
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8			
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500			
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500			
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500			
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies			
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil			
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable			
11. If this vehicle is a for hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable			
12. Day of week	Mon.	Tues.	Mon.	Mon.			

Remarks: Please make any comments which you think will help us to understand your report.





**MOTOR TRANSPORT TRAFFIC**  
**NATIONAL ESTIMATES**  
**1959**



*Published by Authority of*  
The Honourable George Hees, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Public Finance and Transportation Division  
Transportation Section

August, 1961  
8504-565

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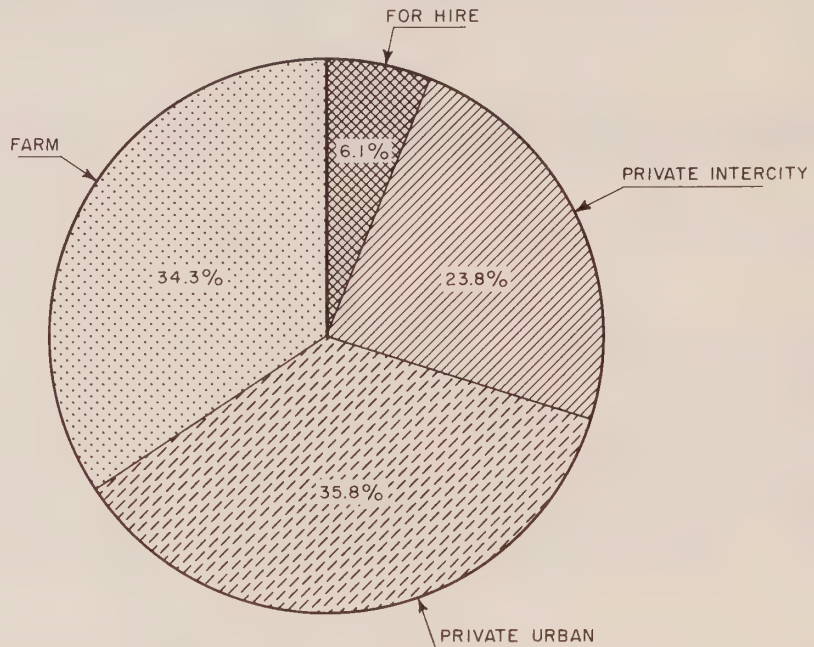
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# MOTOR TRANSPORT TRAFFIC NATIONAL ESTIMATES 1959

CHART - 1

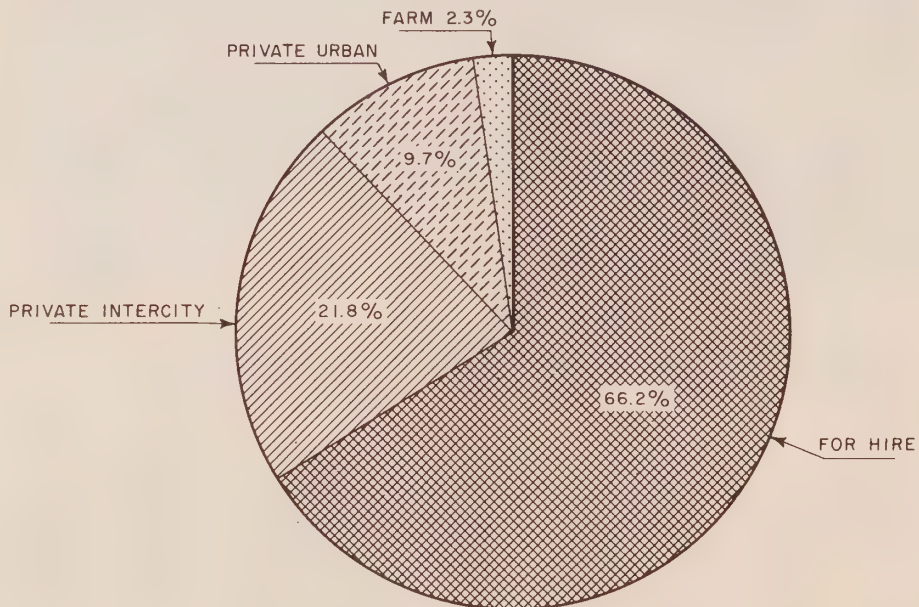
## TRUCK REGISTRATIONS BY TYPE OF OPERATION



Source: Appendix I.

CHART - 2

## NET TON MILES BY TYPE OF OPERATION

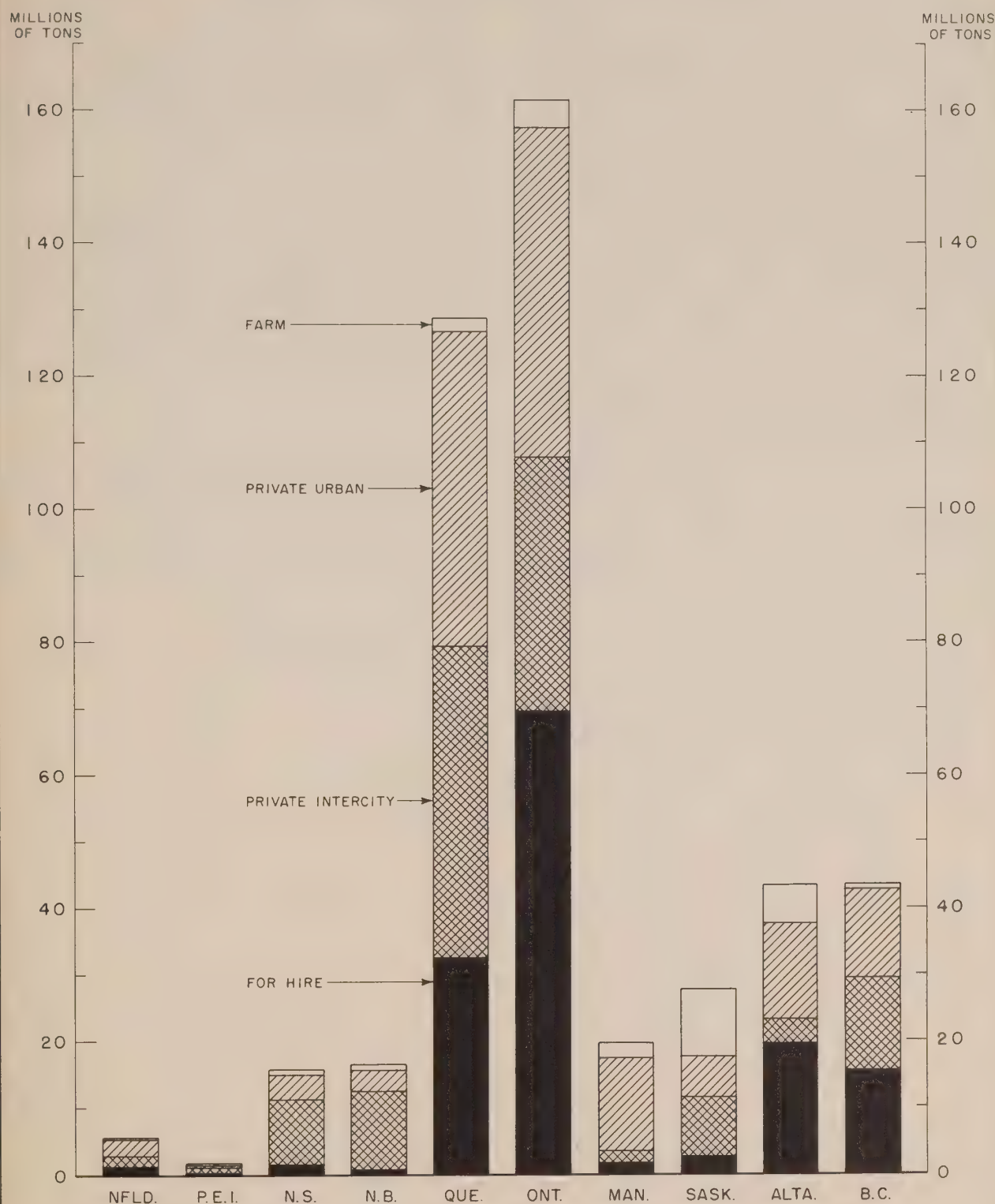


Source: Section I, Table I.



CHART - 3

# TONS CARRIED BY TYPE OF OPERATION



Source: Section I, Tables 4, 6, 8 and 9.



## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1959. Truck transport statistics published in provincial and regional reports for 1959 have been summarized herein.

These motortransport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

The 1959 national estimates of motor transport traffic in Canada are based upon a sample of approximately 12 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over

three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

To improve the probability of obtaining more reliable results the sampling ratios for vehicles of over 20,000 lb. gross vehicle weight were increased in the middle of 1959. These trucks, most of which are operated on intercity routes, account for the bulk of total net ton miles.

The sample selection ratios used in the last two quarters of 1959 for each province were as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/32	1/16	1/4	1/4	1/4	1/4
Prince Edward Island .....	1/32	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/12	1/80	1/12	1/12	1/4	1/4
New Brunswick .....	1/8	1/80	1/12	1/12	1/4	1/4
Quebec <sup>1</sup> .....	1/144	1/144	1/24	1/24	1/6	1/6
Ontario .....	1/216	1/72	1/24	1/24	1/6	1/6
Manitoba .....	1/144	1/144	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/48)	(1/48)	(1/12)	(1/12)
Saskatchewan .....	1/72	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/72)	(1/72)	(1/36)	(1/12)
Alberta .....	1/144	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/288)	(1/144)	(1/24)	(1/72)	(1/12)	(1/12)
British Columbia <sup>1</sup> .....	1/144	1/72	1/24	1/24	1/6	1/6

<sup>1</sup> Vehicles in Quebec and British Columbia were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb. (British Columbia started licensing by gross vehicle weight in 1960.)



Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1959 population estimates and Appendix IV for the description of vehicle classifications in each province.)

Prior to 1959 the distribution of sample vehicles by gross vehicle weight group and type of operation was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operation of all trucks registered in each province by multiplying the sample results by the inverse ratio of the sample to the population and the ratio of three months to one week. The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates.

To improve the accuracy of the estimates, it was decided to use, starting with 1959, the peak registration population in calculating the blow-up factor rather than the population as at four different periods during the year.

Unfortunately time has not permitted calculations of the reliability of these estimates similar to those published in the 1958 report. It should also be noted that the section dealing exclusively with intraprovincial traffic of for hire and private intercity trucks in Canada has been omitted for the purposes of simplification.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 and 1958.

## Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1959 appears in Appendix V.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—were obtained by multiplying the weight of each load carried by the distance it was transported. For vehicles engaged in

intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the average load carried during the week was calculated and then multiplied by the number of miles travelled with a load to obtain net ton miles.

Average distance each ton was carried—total net ton miles divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel)—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by total miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during the year divided by the estimated annual truck population.

Capacity ton miles—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by the estimated annual truck population.

Percentage of capacity utilized—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

Gross ton miles—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for those vehicles in Quebec and British Columbia which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by estimated annual truck population.

## Compilation of National Estimates

### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are intransit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements. As there is a tendency for increasing freedom of interprovincial movement under reciprocal licensing arrangements,

the amount of duplication that is due to multiple licensing may be expected to diminish over the years. A summary of reciprocal highway agreements for trucking, current at December 31, 1960, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1960, Part I, Rates and Regulations", catalogue no. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of interprovincial operations reported by each operator. As reciprocity of licensing arrangements increases, it will be necessary to reduce data collected on these operations by some proportion less than fifty per cent.

Although it was necessary to reduce interprovincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when provincial data are added together that difficulties arise.

### Review of Survey Results

The estimated population of trucks and road tractors performing transportation services in Canada during the year rose 3.0 per cent to 888,475 from 862,775 in 1958. Of these 54,495 or 6.1 per cent were for hire vehicles; 211,315 or 23.8 per cent were private intercity vehicles; 317,782 or 35.8 per cent were private vehicles operating wholly within urban areas; and 304,883 or 34.3 per cent were farm trucks. Almost one third of the total number of trucks were registered in Ontario and one half were registered in the two provinces of Quebec and Ontario.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected, it does not follow that there were no vehicles in the province belonging to these classifications.

#### Section I. Total Truck Traffic by Canadian Registered Trucks

Total miles travelled by transport trucks and road tractors decreased by 2.8 per cent to 6,432 million in 1959 from 6,616 million in 1958 and the average mileage per truck declined to 7,200 miles from 7,700 in the previous year. The average distance each ton of goods was carried increased slightly to 34.4 miles from 34.0 miles and the proportion of empty miles remained constant at one half.

#### (b) Weight Classifications

There continued to be some lack of provincial comparability in vehicle weight classifications. Quebec, and to some extent British Columbia, licensed trucks by tare weight in 1959, while the other provinces used gross vehicle weight. Where the vehicles were licensed by tare weight, the gross vehicle weight was estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix IV, which describes the vehicle classifications used in this report, will reveal these variations.

Gasoline consumption decreased by 6.5 per cent to 606,997,000 gallons in 1959 from 649,533,000 in 1958 while diesel fuel consumption rose 58.4 per cent to 79,361,000 gallons in 1959 from 50,095,000 gallons in the previous year.

The total weight of goods carried by all trucks increased slightly between the two years to 463,767,000 tons from 460,313,000 tons and the average weight carried rose to 5.0 tons in 1959 from 4.7 tons in 1958. Although the total net ton miles increased 1.9 per cent, the average net ton miles per truck declined 1.1 per cent.

Trucks with a gross vehicle weight of 20,001 lb. and over comprised only one tenth of the total truck population in 1959. However these vehicles had an average yearly mileage of almost 20,100 miles, an average load of 10.4 tons and travelled empty only 30.9 per cent of the time. Consequently these heavier trucks performed 87.3 per cent of the road transportation services of the country measured in terms of net ton miles.

Charts 1 and 2 indicate that for hire trucks and road tractors, which represented only 6.1 per cent of total registrations, performed 66.2 per cent of truck transport net ton miles. For hire vehicles carried an average load of 10.3 tons compared with an average of 5.0 tons for trucks of all types and transported each ton an average distance of 72.6 miles as against 34.4 miles for all four categories of trucks.



## **Section II. Interprovincial and International Traffic by Canadian Registered Trucks**

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries from or to points outside the survey province. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 4,564,000 tons of goods,

of which 42 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 1,496,000 tons of goods between provinces, of which 33 per cent was moved between Quebec and Ontario.

### **Appendix I: Response to Survey**

During 1959, survey questionnaires were mailed to the owners or operators of 104,870 motor vehicles. Of this number 41,282 were returned completed and 30,003 trucks were reported not used during the survey week. The remaining 33,585 were either returned incomplete and unusable or not returned at all.

July 11, 1961



## SECTION I. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1959

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	1,380,390	2,214,127	1,947,205	890,368	6,432,090
Average yearly mileage per truck.....		25,300	10,500	6,100	2,900	7,200
Average distance each ton was carried.....		72.6	25.4	10.0	13.8	34.4
Percentage of total mileage travelled empty .....		25.6	59.3	49.5	67.5	50.2
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	159,504	204,747	173,709	69,037	606,997
Miles per gallon of gasoline .....		6.1	10.5	11.2	12.9	9.8
Total gallons of diesel oil consumed .....	'000	68,777	9,351	1,233	—	79,361
Miles per gallon of diesel oil .....		5.8	5.9	5.6	—	5.8
Total gallons of other fuel consumed .....	'000	154	444	—	—	598
Miles per gallon of other fuel .....		6.9	6.2	—	—	6.4
<b>Weight of goods carried:</b>						
Total tons of goods carried.....	'000	145,413	136,883	154,628	26,843	463,767
Average weight carried <sup>1</sup> .....	ton	10.3	3.9	1.6	1.3	5.0
<b>Net ton miles:</b>						
Total net ton miles performed.....	'000	10,553,130	3,472,685	1,540,177	371,541	15,937,533
Average net ton miles per truck .....		193,700	16,400	4,800	1,200	17,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	18,291,058	9,047,371	4,584,913	1,556,886	33,480,228
Average capacity ton miles per truck .....		335,600	42,800	14,400	5,100	37,700
Percentage of capacity utilized .....		57.7	38.4	33.6	23.9	47.6
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	21,447,166	10,864,735	6,369,107	2,298,390	40,979,398
Average gross ton miles per truck .....		393,600	51,400	20,000	7,500	46,100
<b>Revenue:</b>						
Total revenue .....	\$'000	679,600	—	—	—	—
Revenue per ton mile .....	¢	6.4	—	—	—	—
Revenue per mile (total mileage travelled).....	¢	49.2	—	—	—	—
Average revenue per truck.....	\$	12,500	—	—	—	—
Estimated annual population.....		54,495	211,315	317,782	304,883	888,475

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
<b>Mileage:</b>								
Total mileage travelled .....	'000 1,986,762	1,709,610	331,890	461,861	631,283	684,330	626,354	6,432,090
Average yearly mileage per truck .....	5,600	5,700	5,400	6,100	11,500	23,800	46,700	7,200
Average distance each ton was carried .....	17.8	17.5	14.1	13.3	14.3	36.7	150.4	34.4
Percentage of total mileage travelled empty .....	71.0	55.0	34.5	35.8	40.0	31.8	20.7	50.2
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 131,655	137,227	35,071	58,707	89,281	97,724	57,332	606,997
Miles per gallon of gasoline .....	15.1	12.5	9.5	7.9	7.0	5.6	5.1	9.8
Total gallons of diesel oil consumed .....	'000 —	—	—	—	—	22,206	57,155	79,361
Miles per gallon of diesel oil .....	—	—	—	—	—	5.9	5.8	5.8
Total gallons of other fuel consumed .....	'000 —	—	—	—	378	188	32	598
Miles per gallon of other fuel .....	—	—	—	—	6.6	6.1	5.9	6.4
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 9,738	27,874	29,007	71,955	146,228	132,838	46,127	463,767
Average weight carried <sup>1</sup> .....	ton 0.3	0.6	1.9	3.2	5.5	10.4	14.0	5.0
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 173,612	488,919	410,220	955,907	2,094,541	4,878,039	6,936,295	15,937,533
Average net ton miles per truck .....	500	1,600	6,800	12,600	38,300	169,900	517,100	17,900
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 1,631,477	2,317,463	1,148,279	2,510,954	5,030,538	9,421,880	11,419,637	33,480,228
Average capacity ton miles per truck .....	4,600	7,700	18,600	33,200	91,900	328,200	851,300	37,700
Percentage of capacity utilized .....	10.6	21.1	35.7	38.1	41.6	51.8	60.7	47.6
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 3,313,220	4,077,712	1,537,519	2,803,033	5,071,504	10,599,082	13,577,328	40,979,398
Average gross ton miles per truck .....	9,300	13,600	24,900	37,000	92,700	369,200	1,012,200	46,100
Estimated annual population .....	354,870	299,313	61,781	75,676	54,710	28,711	13,414	888,475

See footnotes at end of Table 9, page 16.

TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	64,685	31,122	209,406	173,260	1,414,529	2,286,474
Average yearly mileage per truck .....	5,800	5,100	6,700	7,700	9,000	8,100
Average distance each ton was carried .....	8.3	20.9	13.7	15.1	29.9	39.2
Percentage of total mileage travelled empty ....	63.8	64.7	59.6	58.4	40.1	47.5
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	5,356	2,523	18,799	16,356	138,565	226,888
Miles per gallon of gasoline .....	12.1	12.3	11.1	10.5	9.4	9.4
Total gallons of diesel oil consumed ..... '000	—	—	97	334	17,909	26,657
Miles per gallon of diesel oil .....	—	—	6.0	6.4	5.9	5.7
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	5,246	1,606	15,632	16,369	128,770	161,565
Average weight carried <sup>1</sup> ..... ton	1.9	3.1	2.5	3.4	4.5	5.3
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	43,438	33,560	214,794	247,113	3,845,569	6,338,150
Average net ton miles per truck .....	3,900	5,500	6,800	11,000	24,400	22,300
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	134,668	80,122	604,052	665,665	7,911,364	13,023,650
Average capacity ton miles per truck .....	12,100	13,100	19,200	29,700	50,100	45,900
Percentage of capacity utilized .....	32.3	41.9	35.6	37.1	48.6	48.7
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	194,503	108,018	789,094	810,994	9,264,149	16,189,503
Average gross ton miles per truck .....	17,500	17,700	25,100	36,200	58,700	57,100
Estimated annual population .....	11,106	6,120	31,401	22,410	157,764	283,615
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	347,749	438,277	730,653	735,935	6,432,090	
Average yearly mileage per truck .....	5,900	4,200	6,300	7,600	7,200	
Average distance each ton was carried .....	42.0	29.4	54.5	27.5	34.4	
Percentage of total mileage travelled empty ....	51.1	57.3	52.5	64.9	50.2	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	32,007	41,918	62,731	61,854	606,997	
Miles per gallon of gasoline .....	9.9	10.1	9.9	11.1	9.8	
Total gallons of diesel oil consumed ..... '000	5,460	2,717	17,895	8,292	79,361	
Miles per gallon of diesel oil .....	5.7	5.8	6.1	5.6	5.8	
Total gallons of other fuel consumed ..... '000	—	—	524	74	598	
Miles per gallon of other fuel .....	—	—	6.4	6.6	6.4	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	19,801	27,793	43,395	43,590	463,767	
Average weight carried <sup>1</sup> ..... ton	4.9	4.4	6.8	4.6	5.0	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	831,837	817,551	2,366,353	1,199,168	15,937,533	
Average net ton miles per truck .....	14,100	7,900	20,300	12,400	17,900	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	1,701,939	2,043,620	4,384,931	2,930,217	33,480,228	
Average capacity ton miles per truck .....	28,800	19,700	37,700	30,300	37,700	
Percentage of capacity utilized .....	48.9	40.0	54.0	40.9	47.6	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	2,217,810	2,542,187	5,305,162	3,557,978	40,979,398	
Average gross ton miles per truck .....	37,500	24,500	45,600	36,800	46,100	
Estimated annual population .....	59,087	103,860	116,340	96,772	888,475	

See footnotes at end of Table 9, page 16.

TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled '000	4,752	1,846	13,434	9,986	291,476	555,471
Average yearly mileage per truck	5,300	11,400	13,100	20,200	20,900	28,100
Average distance each ton was carried	8.8	111.4	34.2	90.0	64.7	64.5
Percentage of total mileage travelled empty	37.1	22.9	24.8	28.6	20.9	26.2
<b>Fuel:</b>						
Total gallons of gasoline consumed '000	545	245	1,677	1,296	32,697	72,673
Miles per gallon of gasoline	8.7	7.5	7.7	6.1	6.5	5.8
Total gallons of diesel oil consumed '000	—	—	97	334	13,292	23,456
Miles per gallon of diesel oil	—	—	6.0	6.4	5.9	5.7
Total gallons of other fuel consumed '000	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried '000	1,188	93	1,439	707	32,500	69,809
Average weight carried <sup>1</sup> ton	3.5	7.3	4.9	8.9	9.1	11.0
<b>Net ton miles:</b>						
Total net ton miles performed '000	10,413	10,384	49,192	63,683	2,101,379	4,503,558
Average net ton miles per truck	11,500	64,100	47,900	128,700	150,400	228,000
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> '000	22,085	17,976	100,907	120,536	3,433,137	8,022,557
Average capacity ton miles per truck	24,400	111,000	98,400	243,500	245,800	406,100
Percentage of capacity utilized	47.1	57.8	48.7	52.8	61.2	56.1
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> '000	27,467	23,158	125,053	141,086	3,944,723	9,532,777
Average gross ton miles per truck	30,400	143,000	121,900	285,000	282,400	482,600
<b>Revenue:</b>						
Total revenue \$'000	2,853	792	6,832	4,619	157,996	287,439
Revenue per ton mile ¢	27.4	7.6	13.9	7.3	7.5	6.4
Revenue per mile (total mileage travelled) ¢	60.0	42.9	50.9	46.3	54.2	51.7
Average revenue per truck \$	3,200	4,900	6,700	9,300	11,300	14,600
Estimated annual population	904	162	1,026	495	13,968	19,755
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled '000	66,216	73,234	253,153	110,822	1,380,390	
Average yearly mileage per truck	47,700	40,000	28,100	18,600	25,300	
Average distance each ton was carried	326.5	171.3	103.1	48.2	72.6	
Percentage of total mileage travelled empty	17.8	33.1	28.3	27.4	25.6	
<b>Fuel:</b>						
Total gallons of gasoline consumed '000	6,225	9,676	22,566	11,904	159,504	
Miles per gallon of gasoline	5.8	6.3	6.5	6.2	6.1	
Total gallons of diesel oil consumed '000	5,339	2,177	17,352	6,730	68,777	
Miles per gallon of diesel oil	5.7	5.8	6.1	5.6	5.8	
Total gallons of other fuel consumed '000	—	—	154	—	154	
Miles per gallon of other fuel	—	—	6.9	—	6.9	
<b>Weight of goods carried:</b>						
Total tons of goods carried '000	1,756	2,712	19,666	15,543	145,413	
Average weight carried <sup>1</sup> ton	10.5	9.5	11.2	9.3	10.3	
<b>Net ton miles:</b>						
Total net ton miles performed '000	573,405	464,553	2,028,084	748,479	10,553,130	
Average net ton miles per truck	413,400	253,900	225,300	125,400	193,700	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> '000	920,274	924,780	3,245,053	1,483,753	18,291,058	
Average capacity ton miles per truck	663,500	505,300	360,600	248,600	335,600	
Percentage of capacity utilized	62.3	50.2	62.5	50.4	57.7	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> '000	1,187,124	1,085,610	3,762,333	1,617,835	21,447,166	
Average gross ton miles per truck	855,900	593,200	418,000	271,100	393,600	
<b>Revenue:</b>						
Total revenue \$'000	28,279	26,678	96,845	67,267	679,600	
Revenue per ton mile ¢	4.9	5.7	4.8	9.0	6.4	
Revenue per mile (total mileage travelled) ¢	42.7	36.4	38.3	60.7	49.2	
Average revenue per truck \$	20,400	14,600	10,800	11,300	12,500	
Estimated annual population	1,387	1,830	9,000	5,968	54,495	

See footnotes at end of Table 9, page 16.



TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	19,884	137,470	332,151	2.4	16.7	84,069	25.3	18,692
20,001-30,000 lb. ....	50,041	141,677	802,202	5.7	16.0	84,095	10.5	13,481
30,001-50,000 lb. ....	40,850	303,019	3,233,166	10.7	79.1	204,546	6.3	11,543
50,001 lb. and over .....	34,638	445,499	6,185,611	13.9	178.6	306,890	5.0	10,779
<b>Totals .....</b>	<b>145,413</b>	<b>1,027,665</b>	<b>10,553,130</b>	<b>10.3</b>	<b>72.8</b>	<b>679,600</b>	<b>6.4</b>	<b>54,495</b>

TABLE 6. Private Intercity Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	35,775	14,436	127,979	108,034	477,623	765,445	37,163	129,129	171,723	346,820	2,214,127
Average yearly mileage per truck .....	6,300	6,400	7,600	8,800	14,100	10,700	12,100	10,900	9,700	9,600	10,500
Average distance each ton was carried .....	11.2	18.2	13.5	12.7	25.7	31.9	40.7	21.9	42.8	23.6	25.4
Percentage of total mileage travelled empty .....	73.2	64.8	64.7	62.1	46.6	57.4	32.1	59.6	64.7	76.5	59.3
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2,847	1,229	11,414	10,497	48,982	71,880	4,102	12,140	14,235	27,421	204,747
Miles per gallon of gasoline .....	12.6	11.8	11.2	10.3	9.3	10.4	9.0	10.4	11.7	12.3	10.5
Total gallons of diesel oil consumed ..... '000	—	—	—	—	3,459	3,201	46	540	543	1,562	9,351
Miles per gallon of diesel oil .....	—	—	—	—	6.1	5.7	5.9	5.8	5.9	6.0	5.9
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	370	74	444
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	6.1	6.6	6.2
<b>Weight of goods carried:</b>											
Total tons of goods carried '000	1,743	1,010	9,646	11,675	46,827	38,055	1,830	8,711	3,423	13,963	136,883
Average weight carried <sup>1</sup> ..... ton	2.0	3.6	2.9	3.6	4.7	3.7	2.9	3.7	2.4	4.0	3.9
<b>Net ton miles:</b>											
Total net ton miles performed '000	19,459	18,334	130,011	147,711	1,204,353	1,212,671	74,392	190,541	146,381	328,832	3,472,685
Average net ton miles per truck .....	3,400	8,100	7,700	12,100	35,500	17,000	24,300	16,100	8,300	9,100	16,400
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	69,772	44,587	376,966	419,890	2,874,861	3,118,865	175,975	524,778	469,390	972,287	9,047,371
Average capacity ton miles per truck .....	12,200	19,800	22,300	34,300	84,700	43,700	57,500	44,400	26,600	26,800	42,800
Percentage of capacity utilized .....	27.9	41.1	34.5	35.2	41.9	38.9	42.3	36.3	31.2	33.8	38.4
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	100,531	55,468	477,373	489,529	3,128,046	3,885,984	223,009	646,681	621,399	1,236,715	10,864,735
Average gross ton miles per truck .....	17,600	24,600	28,200	40,000	92,200	54,400	72,800	54,700	35,200	34,100	51,400
Estimated annual population ....	5,700	2,253	16,924	12,246	33,927	71,447	3,063	11,813	17,661	36,281	211,315

See footnotes at end of Table 9, page 16.

TABLE 7. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	7,018	413,580	194,261	0.5	27.7	154,692
10,001-20,000 lb. ....	31,545	176,883	502,819	2.8	15.9	28,170
20,001-30,000 lb. ....	47,468	149,458	857,552	5.7	18.1	17,116
30,001-50,000 lb. ....	39,363	110,873	1,167,369	10.5	29.7	8,702
50,001 lb. and over .....	11,489	51,078	750,684	14.7	65.3	2,635
<b>Totals</b> .....	<b>136,883</b>	<b>901,872</b>	<b>3,472,685</b>	<b>3.9</b>	<b>25.4</b>	<b>211,315</b>

TABLE 8. Private Urban Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Sask-at-chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	20,070	3,405	44,717	29,733	532,100	765,448	165,191	42,903	116,616	227,022	1,947,205
Average yearly mileage per truck .....	5,300	4,700	5,500	6,100	7,200	5,900	7,200	4,400	5,100	5,400	6,100
Average distance each ton was carried .....	5.6	5.6	6.6	7.1	10.7	11.3	10.7	7.5	7.2	8.2	10.0
Percentage of total mileage travelled empty .....	54.4	61.5	51.8	53.0	40.7	47.9	57.9	44.0	59.3	64.2	49.5
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	1,684	260	3,870	2,564	48,660	67,823	15,114	4,186	10,751	18,797	173,709
Miles per gallon of gasoline .....	11.9	13.1	11.6	11.6	10.8	11.3	10.9	10.2	10.9	12.1	11.2
Total gallons of diesel oil consumed ..... '000	—	—	—	—	1,158	—	75	—	—	—	1,233
Miles per gallon of diesel oil .....	—	—	—	—	5.6	—	5.4	—	—	—	5.6
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried .. '000	2,282	284	3,873	3,180	47,537	49,467	13,785	6,204	14,668	13,348	154,628
Average weight carried <sup>1</sup> ..... ton	1.4	1.2	1.2	1.6	1.6	1.4	2.1	2.0	2.2	1.4	1.6
<b>Net ton miles:</b>											
Total net ton miles performed '000	12,746	1,601	25,397	22,478	510,079	558,059	147,082	46,840	106,018	109,877	1,540,177
Average net ton miles per truck .....	3,400	2,200	3,100	4,600	6,900	4,300	6,400	4,900	4,700	2,600	4,800
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	38,067	4,578	85,634	73,795	1,463,850	1,615,600	445,795	125,242	321,045	411,307	4,584,913
Average capacity ton miles per truck .....	10,100	6,300	10,600	15,200	19,800	12,500	19,500	13,000	14,100	9,800	14,400
Percentage of capacity utilized .....	33.5	35.0	29.7	30.5	34.8	34.5	33.0	37.4	33.0	26.7	33.6
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	57,937	7,806	127,021	103,176	1,957,269	2,329,612	586,163	172,638	428,389	599,096	6,369,107
Average gross ton miles per truck .....	15,300	10,700	15,700	21,300	26,400	18,000	25,600	17,900	18,900	14,300	20,000
Estimated annual population ....	3,785	731	8,084	4,848	74,109	129,087	22,856	9,657	22,707	41,918	317,782

See footnotes at end of Table 9, page 16.

TABLE 9. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled .....	4,088	11,435	23,276	25,507	113,330	200,110	79,179	193,011	189,161	51,271	890,368
Average yearly mileage per truck .....	5,700	3,800	4,300	5,300	3,200	3,200	2,500	2,400	2,800	4,100	2,900
Average distance each ton was carried .....	25.0	14.8	15.1	16.4	15.6	15.1	15.2	11.4	15.2	16.3	13.8
Percentage of total mileage travelled empty .....	58.7	72.4	66.4	60.8	59.6	66.9	73.9	67.9	69.7	70.8	67.5
<b>Fuel:</b>											
Total gallons of gasoline consumed .....	280	789	1,838	1,999	8,226	14,512	6,566	15,916	15,179	3,732	69,037
Miles per gallon of gasoline .....	14.6	14.5	12.7	12.8	13.8	13.8	12.1	12.1	12.5	13.7	12.9
Total gallons of diesel oil consumed .....	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried .....	33	219	674	807	1,906	4,234	2,430	10,166	5,638	736	26,843
Average weight carried <sup>1</sup> .....	0.5	1.0	1.3	1.3	0.7	1.0	1.8	1.9	1.5	0.8	1.3
<b>Net ton miles:</b>											
Total net ton miles performed .....	820	3,241	10,194	13,241	29,758	63,862	36,958	115,617	85,870	11,980	371,541
Average net ton miles per truck .....	1,100	1,100	1,900	2,700	800	1,000	1,200	1,400	1,300	1,000	1,200
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> .....	4,744	12,981	40,545	51,444	139,516	266,628	159,895	468,820	349,443	62,870	1,556,886
Average capacity ton miles per truck .....	6,600	4,400	7,600	10,700	3,900	4,200	5,000	5,800	5,200	5,000	5,100
Percentage of capacity utilized .....	17.3	25.0	25.1	25.7	21.3	24.0	23.1	24.7	24.6	19.1	23.9
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> .....	8,568	21,586	59,647	77,203	234,111	441,130	221,514	637,258	493,041	104,332	2,298,390
Average gross ton miles per truck .....	12,000	7,300	11,100	16,000	6,500	7,000	7,000	7,900	7,400	8,300	7,500
Estimated annual population .....	717	2,974	5,367	4,821	35,760	63,326	31,781	80,560	66,972	12,605	304,883

<sup>1</sup> Ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.<sup>3</sup> Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1959

TABLE 10. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
From:										
Atlantic Provinces .....	—	21	1	—	—	—	—	—	10	32
Quebec .....	19	—	962	2	—	52	—	—	129	1,164
Ontario .....	3	940	—	136	14	150	24	—	410	1,677
Manitoba .....	—	2	114	—	101	37	1	—	23	278
Saskatchewan .....	—	1	3	108	—	69	—	—	13	194
Alberta .....	—	47	97	26	96	—	197	48	14	525
British Columbia .....	—	—	8	—	—	123	—	3	60	194
Yukon and Northwest Territories .....	—	—	—	—	—	2	—	—	—	2
United States .....	4	68	317	10	2	6	91	—	—	498
Totals .....	26	1,079	1,502	282	213	439	313	51	659	4,564
Private intercity										
'000 tons										
From:										
Atlantic Provinces .....	—	25	—	—	—	—	—	—	74	99
Quebec .....	8	—	252	—	—	—	—	—	65	325
Ontario .....	1	243	—	9	1	1	3	—	127	385
Manitoba .....	—	—	19	—	12	1	—	—	1	34
Saskatchewan .....	—	—	1	47	—	16	—	—	—	64
Alberta .....	—	—	2	—	22	—	19	2	—	45
British Columbia .....	—	—	1	—	1	43	—	37	12	94
Yukon and Northwest Territories .....	—	—	—	—	—	—	6	—	—	6
United States .....	10	215	143	2	—	33	41	—	—	444
Totals .....	19	483	418	58	36	94	70	39	279	1,496



TABLE 11. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	90	2,995	12,602	4.2	140.0	1,595	12.7
30,001-50,000 lb. ....	1,764	63,677	703,786	11.1	399.0	39,379	5.6
50,001 lb. and over .....	2,710	117,753	1,720,786	14.6	635.0	64,633	3.8
<b>Totals .....</b>	<b>4,564</b>	<b>184,425</b>	<b>2,437,174</b>	<b>13.2</b>	<b>534.0</b>	<b>105,607</b>	<b>4.3</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	182	11,267	16,235	1.4		89.2	
20,001-30,000 lb. ....	268	4,858	27,841	5.7		103.9	
30,001-50,000 lb. ....	521	9,229	107,096	11.6		205.6	
50,001 lb. and over .....	525	11,229	168,130	15.0		320.2	
<b>Totals .....</b>	<b>1,496</b>	<b>36,583</b>	<b>319,302</b>	<b>8.7</b>		<b>213.4</b>	

TABLE 12. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	204	9,417	135,218	14.4	662.8	3,867	2.9
Animals and animal products .....	361	25,458	344,641	13.5	954.7	11,453	3.3
Mine products .....	187	1,064	15,293	14.4	81.8	590	3.9
Forest products .....	116	1,715	26,825	15.6	231.3	1,151	4.3
Manufactures and miscellaneous .....	2,225	83,131	1,006,112	12.1	452.2	50,342	5.0
N.O.S. general freight .....	1,471	63,640	909,085	14.3	618.0	38,204	4.2
<b>Totals .....</b>	<b>4,564</b>	<b>184,425</b>	<b>2,437,174</b>	<b>13.2</b>	<b>534.0</b>	<b>105,607</b>	<b>4.3</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	108	4,412	62,162	14.1		575.6	
Animals and animal products .....	92	4,944	30,743	6.2		334.2	
Mine products .....	105	1,231	26,782	21.8		255.1	
Forest products .....	424	3,788	35,967	9.5		84.8	
Manufactures and miscellaneous .....	678	19,598	141,517	7.2		208.7	
N.O.S. general freight .....	89	2,610	22,131	8.5		248.7	
<b>Totals .....</b>	<b>1,496</b>	<b>36,583</b>	<b>319,302</b>	<b>8.7</b>		<b>213.4</b>	

## Appendix I

## Estimated Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Group, 1959

Type of operation and gross vehicle weight	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
For hire:												
0- 5,000 lb. ....					102	261	236	—	—	395	83	1,077
5,001-10,000 " .....					509	2,094	739	101	114	380	696	4,633
10,001-15,000 " .....					646	2,739	902	51	43	227	455	5,063
15,001-20,000 " .....	1	1	1	1	482	2,283	3,065	220	141	939	789	7,919
20,001-30,000 " .....					481	2,357	4,773	164	335	3,526	1,845	13,481
30,001-50,000 " .....					261	4,234	2,663	426	934	1,839	1,186	11,543
50,001 lb. and over .....					106	—	7,377	425	263	1,694	914	10,779
Totals .....	904	162	1,026	495	2,587	13,968	19,755	1,387	1,830	9,000	5,968	54,495
Private — Intercity:												
0- 5,000 lb. ....					6,020	7,570	41,014	—	5,680	10,178	17,241	87,703
5,001-10,000 " .....					22,374	12,098	11,616	1,915	2,174	3,856	12,956	66,989
10,001-15,000 " .....					1,730	2,554	3,493	272	526	729	1,694	10,998
15,001-20,000 " .....	1	1	1	1	4,363	2,355	6,705	386	979	1,446	938	17,172
20,001-30,000 " .....					2,377	4,432	5,588	297	1,781	948	1,693	17,116
30,001-50,000 " .....					216	4,918	1,198	138	599	302	1,331	8,702
50,001 lb. and over .....					43	—	1,833	55	74	202	428	2,635
Totals .....	5,700	2,253	16,924	12,246	37,123	33,927	71,447	3,063	11,813	17,661	36,281	211,315
Urban:												
0- 5,000 lb. ....					3,533	18,517	75,346	5,218	5,677	14,341	19,025	141,657
5,001-10,000 " .....					10,239	35,495	29,009	11,659	1,886	3,583	16,145	108,016
10,001-15,000 " .....					1,637	7,185	8,225	1,828	515	724	2,669	22,783
15,001-20,000 " .....	1	1	1	1	1,390	4,780	9,236	2,572	746	1,911	1,628	22,263
20,001-30,000 " .....					590	4,524	4,836	1,070	640	1,420	1,635	14,715
30,001-50,000 " .....					59	3,608	2,435	509	193	728	816	8,348
50,001 lb. and over .....					—	—	—	—	—	—	—	—
Totals .....	3,785	731	8,084	4,848	17,448	74,109	129,087	22,856	9,657	22,707	41,918	317,782
Farm:												
0- 5,000 lb. ....					2,813	17,807	46,656	3,133	14,336	32,855	6,833	124,433
5,001-10,000 " .....					9,505	15,819	13,330	21,401	37,276	17,577	4,767	119,675
10,001-15,000 " .....					726	1,659	1,543	4,343	10,867	3,053	746	22,937
15,001-20,000 " .....	1	1	1	1	634	371	1,278	2,580	11,738	11,576	145	28,322
20,001-30,000 " .....					197	104	508	300	6,292	1,895	102	9,398
30,001-50,000 " .....					4	—	11	24	51	16	12	118
50,001 lb. and over .....					—	—	—	—	—	—	—	—
Totals .....	717	2,974	5,367	4,821	13,879	35,760	63,326	31,781	80,560	66,972	12,605	304,883
All trucks:												
0- 5,000 lb. ....					12,468	44,155	163,252	8,351	25,693	57,769	43,182	354,870
5,001-10,000 " .....					42,627	65,506	54,694	35,076	41,450	25,396	34,564	299,313
10,001-15,000 " .....					4,739	14,137	14,163	6,494	11,951	4,733	5,564	61,781
15,001-20,000 " .....	1	1	1	1	6,869	9,789	20,284	5,758	13,604	15,872	3,500	75,676
20,001-30,000 " .....					3,645	11,417	15,705	1,831	9,048	7,789	5,275	54,710
30,001-50,000 " .....					540	12,760	6,307	1,097	1,777	2,885	3,345	28,711
50,001 lb. and over .....					149	—	9,210	480	337	1,896	1,342	13,414
Totals .....	11,106	6,120	31,401	22,410	71,037	157,764	283,615	59,087	103,860	116,340	96,772	888,475

<sup>1</sup> Population estimates by gross vehicle weight group are not considered sufficiently reliable.

## Appendix II

## Survey Response, by Type of Operation and Province, 1959

Type of Operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	418	63	467	321	3,207	8,175	617	642	3,877	1,453	19,240
Private:											
Intercity .....	1,563	879	3,137	2,072	4,273	8,655	504	1,493	1,717	3,049	27,342
Urban .....	1,315	285	1,322	1,276	8,526	11,889	3,053	1,612	2,363	4,951	36,592
Farm .....	109	519	483	500	1,968	2,847	2,187	8,473	3,779	831	21,696
Totals .....	3,405	1,746	5,409	4,169	17,974	31,566	6,361	12,220	11,736	10,284	104,870
Number of questionnaires returned completed											
For hire .....	135	19	181	139	1,634	3,928	356	361	1,334	750	8,837
Private:											
Intercity .....	551	262	1,294	740	1,763	4,037	284	548	736	1,218	11,433
Urban .....	465	80	541	444	3,345	5,357	1,183	621	886	1,982	14,904
Farm .....	36	159	202	174	431	1,253	549	1,921	1,038	345	6,108
Totals .....	1,187	520	2,218	1,497	7,173	14,575	2,372	3,451	3,994	4,295	41,282
Number of sampled trucks reported not in use during survey week											
For hire .....	139	16	146	85	607	1,848	116	127	1,093	350	4,527
Private:											
Intercity .....	459	201	872	622	1,054	2,451	101	464	558	814	7,596
Urban .....	389	72	361	387	2,002	3,356	803	478	684	1,262	9,794
Farm .....	33	117	129	150	546	774	982	3,600	1,558	197	8,086
Totals .....	1,020	406	1,508	1,244	4,209	8,429	2,002	4,669	3,893	2,623	30,003
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	144	28	140	97	986	2,399	145	154	1,450	353	5,876
Private:											
Intercity .....	553	416	971	710	1,456	2,167	119	481	423	1,017	8,313
Urban .....	461	133	420	445	3,179	3,176	1,067	513	793	1,707	11,894
Farm .....	40	243	152	176	991	820	656	2,952	1,183	289	7,502
Totals .....	1,198	820	1,683	1,428	6,592	8,562	1,987	4,100	3,849	3,366	33,585

## Appendix III

## Commodity Classification

<p>Agricultural products:</p> <p>Flour</p> <p>Fruit</p> <p>Grain</p> <p>Grain products</p> <p>Sugar beets</p> <p>Vegetables</p> <p>Other agricultural products</p> <p>Animals and animal products:</p> <p>Animals and live poultry, N.O.S.<sup>1</sup></p> <p>Butter, cheese and eggs</p> <p>Cattle, calves and hogs</p> <p>Dressed meats and packing house products</p> <p>Fish</p> <p>Hides and skins</p> <p>Milk, cream</p> <p>Wool</p> <p>Other animal products</p> <p>Mine products:</p> <p>Coal and coke</p> <p>Crude petroleum</p> <p>Ore and concentrates</p> <p>Sand, gravel, crushed rock and fill</p> <p>Other mine products</p>	<p>Forest products:</p> <p>Cordwood, fuelwood</p> <p>Logs, poles, posts and ties</p> <p>Lumber, timber, lath, etc.</p> <p>Pulpwood</p> <p>Other forest products</p> <p>Manufactured products:</p> <p>Agricultural implements, farm tractors and parts</p> <p>Animal, fish or vegetable oil</p> <p>Automobiles and parts</p> <p>Building products, brick, cement, etc.</p> <p>Empty containers, wood or metal</p> <p>Fertilizers, chemicals and acids</p> <p>Food products, groceries, canned goods</p> <p>Furniture, furnishings and personal effects</p> <p>Gasoline</p> <p>Hardware</p> <p>Iron and steel products</p> <p>Machines, machinery and parts</p> <p>Metal products, N.O.S.</p> <p>Newspapers and other printed material</p> <p>Newsprint</p> <p>Paper products, N.O.S.</p> <p>Petroleum products, N.O.S.</p> <p>Rubber and rubber products</p> <p>Scrap and waste metal</p> <p>Soft drinks, beer and other beverages</p> <p>Textiles</p> <p>Tools and equipment</p> <p>Wood products, plywood, veneer, etc.</p> <p>Other manufactures</p> <p>General freight and miscellaneous</p>
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<sup>1</sup> N.O.S. — Not otherwise specified.



**Appendix IV**  
**Description of Vehicle Classifications, 1959**

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

**For hire trucks**

Atlantic provinces:  
 No separate licence—

Newfoundland—trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island—trucks operated for compensation on intercity routes and/or in urban areas.

New Brunswick—trucks owned by companies or individuals licensed by the Motor Carrier Board.

Quebec:  
 "L" licensed vehicles—operated for compensation in intercity or urban service.

Ontario:  
 Public Commercial Vehicles (P.C.V.)—operated for compensation outside urban areas (rural and intercity routes).

Manitoba:  
 Public Service Vehicles (P.S.V.)—operated for compensation beyond 15 miles radius of place of registration.

Saskatchewan:  
 "A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

Alberta:  
 "E" and "P.S.V." licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

British Columbia:  
 "E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

**Private intercity trucks**

Atlantic provinces:  
 No separate licence—trucks operated on intercity routes.

Quebec:  
 No separate licence—trucks with "F" licences operated outside urban areas.

Ontario:  
 No separate licence—private non-farm trucks operated outside urban areas.

Manitoba:  
 "C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

Saskatchewan:  
 No separate licence—trucks with "C" or "D" licences operated outside urban areas.

**Private intercity trucks—Concluded**

Alberta:  
 "CV" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

British Columbia:  
 No separate licence—private non-farm trucks operated beyond urban areas.

**Private urban trucks**

Atlantic provinces:  
 No separate licence—trucks operated in urban areas.

Quebec:  
 No separate licence—trucks with "F" licences operated in urban areas.

Ontario:  
 No separate licence—trucks operated only in urban areas.

Manitoba:  
 "T" and "DC" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

Saskatchewan:  
 No separate licence—trucks with "C" or "D" licences operated within urban areas.

Alberta:  
 "C" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

British Columbia:  
 No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks**

Atlantic provinces:  
 Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

Quebec:  
 "N" licensed vehicles—owned and operated by a farmer.

Ontario:  
 No separate licence—trucks owned and operated by a farmer.

Manitoba:  
 "FT" licensed vehicles—trucks owned and operated by a farmer.

Saskatchewan:  
 "F" licensed vehicles—trucks owned and operated by a farmer.

Alberta:  
 "F" licensed vehicles—trucks owned and operated by a farmer.

British Columbia:  
 No separate licence—trucks owned and operated by a farmer.

## Appendix V

## DOMINION BUREAU OF STATISTICS

Transportation Section

# TRUCKING SURVEY

## QUESTIONNAIRE

### 1959

To be completed by all vehicle operators regardless of the purpose for which vehicle is used—and to be returned at end of Survey Week.

This questionnaire pertains only to the following vehicle:

SERIAL No. \_\_\_\_\_

The SURVEY WEEK, during which the owner of this vehicle is to report operating data,

begins  
**SUNDAY**  
morning

ends  
**SATURDAY**  
midnight

8504—110.1: 18-10-57

## INSTRUCTIONS FOR REPORTING OPERATIONS

## IF VEHICLE WAS USED FOR:

Answer questions  
on pages:

1. Personal transportation only (with no loads carried) 5,6,7
  2. Urban operations (those within a town, city or metropolitan area and a five mile limit thereof) ..... 5,6,7,8 and 9
  3. Intercity operations (those beyond a five mile limit of a town, city or metropolitan area) ..... 5,6,7 and 10
  4. Intercity and urban operations ..... 5,6,7,8,9 and 10
  5. Rural (including farm) operations (those beyond a five mile limit of a town, city or metropolitan area) 5,6,7 and 9,10
- IF VEHICLE WAS NOT USED ..... 5,6

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-67054 or 9-24275) or contact one of the Regional Offices listed below.

City	Address	Phone No.
St. John's Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box E 5280)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7387
Montreal, P.Q.	Room 830, 1165 Bleury Street	UN 6-8008
Toronto, Ont.	36 Adelaide St. E.	EM 2-6211 (Local 2434)
Winnipeg, Man.	504 Winnipeg General Post Office	WH 3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA 4-0251 (Local 259)
Vancouver, B.C.	Room 404, 326 Howe St.	MU 1-5288

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## IMPORTANT INFORMATION - PLEASE READ CAREFULLY

## Purpose

The Dominion Bureau of Statistics is conducting this survey in order to produce more complete statistics on all phases of Motor Truck Transportation.

## Identification of Vehicle

Information contained in the large rectangle on the cover identifies the particular vehicle selected for this survey by serial number, gross vehicle weight, tare weight, make, year, and licence number, etc. N.B. Please do not substitute any other vehicle for the one indicated.

## Method of Selection

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle. No particular vehicle will be surveyed more than once during any licence year.

## Tractors

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

## Units of Measure

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

## If Vehicle did not Operate

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete pages 5 and 6, mark the questionnaire "not used", and return.

## If Vehicle Sold

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" on the last page and return the book in the envelope provided.

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## QUESTIONS TO BE ANSWERED BY EVERYONE

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_

## 1. Is this vehicle used predominantly (check (v) one)

- ☐ for revenue earning purposes (for hire or contract carrier)?
- ☐ to carry or distribute own goods on intercity routes?
- ☐ to carry or distribute own goods in urban areas?
- ☐ by a farmer to carry goods to and from the farm?
- ☐ for personal transportation?

## 2. Is this vehicle licensed in more than one province \_\_\_\_\_? (yes or no)

3. If yes, which provinces? ☐ Newfoundland ☐ Ontario
- ☐ Prince Edward Island ☐ Manitoba
- ☐ Nova Scotia ☐ Saskatchewan
- ☐ New Brunswick ☐ Alberta
- ☐ Quebec ☐ British Columbia
- ☐ Yukon and N.W.T.

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## Appendix V - Continued

## QUESTIONS TO BE ANSWERED BY EVERYONE

4. If this is a tractor-trailer combination, please check (✓) the type of combination below.

3 or 4 axles	5 axles	6 axles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If other than shown above, please describe, indicating number of axles.

5. Model (check (✓) one)

<input type="checkbox"/> Pickup	<input type="checkbox"/> Metro	<input type="checkbox"/> Box
<input type="checkbox"/> Express	<input type="checkbox"/> Van	<input type="checkbox"/> Pole or logging
<input type="checkbox"/> Panel	<input type="checkbox"/> Platform	<input type="checkbox"/> Flatdeck
<input type="checkbox"/> Sedan delivery	<input type="checkbox"/> Stake	<input type="checkbox"/> Lowbed
<input type="checkbox"/> Station wagon	<input type="checkbox"/> Mixer	<input type="checkbox"/> Auto carrier
<input type="checkbox"/> Jeep	<input type="checkbox"/> Dump	<input type="checkbox"/> Bulk carrier
<input type="checkbox"/> Utility	<input type="checkbox"/> Tank	<input type="checkbox"/> Mechanically refrigerated
<input type="checkbox"/> Other, please describe _____		

6. What is the maximum gross weight\* of the truck or tractor-trailer combination? \_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

- 6 -

## QUESTIONS TO BE ANSWERED BY EVERYONE

7. Speedometer reading at BEGINNING of the Survey Week

\_\_\_\_\_ miles

8. Speedometer reading at the END of the Survey Week

\_\_\_\_\_ miles

If speedometer is not working please estimate your total mileage for the seven day period.

\_\_\_\_\_ miles

9. Gallons of Fuel Used (during the week)

Imperial Gallons \_\_\_\_\_

U.S. Gallons \_\_\_\_\_

10. Kind of Fuel Used (check (✓) one)

Gasoline ☐Diesel Oil ☐Other ☐

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## URBAN OPERATIONS

- are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported on page 10.)

1. WEIGHT OF GOODS ON THE VEHICLE (estimate if necessary)

	10:00 a.m.	3:00 p.m.
Sun. _____	Pounds _____	Pounds _____
Mon. _____	" _____	" _____
Tues. _____	" _____	" _____
Wed. _____	" _____	" _____
Thurs. _____	" _____	" _____
Fri. _____	" _____	" _____
Sat. _____	" _____	" _____

Required to determine the average load carried each day. If 10 a.m. and 3 p.m. are not fairly representative of your operations, please report loads carried at other more appropriate times.

2. TOTAL WEIGHT OF GOODS LOADED EACH DAY (estimate if necessary)

Sun. _____	Pounds _____	Thurs. _____	Pounds _____
Mon. _____	" _____	Fri. _____	" _____
Tues. _____	" _____	Sat. _____	" _____
Wed. _____	" _____		

3. MILES TRAVELLED EACH DAY WITHOUT LOAD

Sun. _____	Miles _____	Thurs. _____	Miles _____
Mon. _____	" _____	Fri. _____	" _____
Tues. _____	" _____	Sat. _____	" _____
Wed. _____	" _____		

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## Urban Operations - concluded

4. If this vehicle is a common or for hire carrier, what was the revenue received for performing urban services during the Survey Week?

\$ \_\_\_\_\_

## RURAL OPERATIONS

1. Does the owner of this vehicle own or operate a farm?

Yes ☐ No ☐

2. If yes, is this vehicle used primarily to carry supplies to and products from that farm?

Yes ☐ No ☐

3. If the operator of this vehicle owns a farm but does not use the vehicle primarily to carry supplies to and products from that farm, then what is the primary purpose for which the vehicle is used?

Answer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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## Appendix V — Concluded

## INTERCITY AND RURAL TRIP LOG

Operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip			
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines			
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm			
3. One-way mileage	350	350	23	23			
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8			
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500			
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500			
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500			
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies			
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil			
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable			
11. If this vehicle is a for hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable			
12. Day of week	Mon.	Tues.	Mon.	Mon.			

Remarks: Please make any comments which you think will help us to understand your report.





Canada. Statistics, Bureau of

**MOTOR TRANSPORT TRAFFIC :**

**NATIONAL ESTIMATES**

**1960**



*Published by Authority of*  
The Honourable George Hees, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**

**Public Finance and Transportation Division**

**Transportation Section**

September, 1962  
8504-565

Price 75 cents



Reports Published by the  
Public Finance and Transportation Division  
dealing with

**ROAD TRANSPORT**

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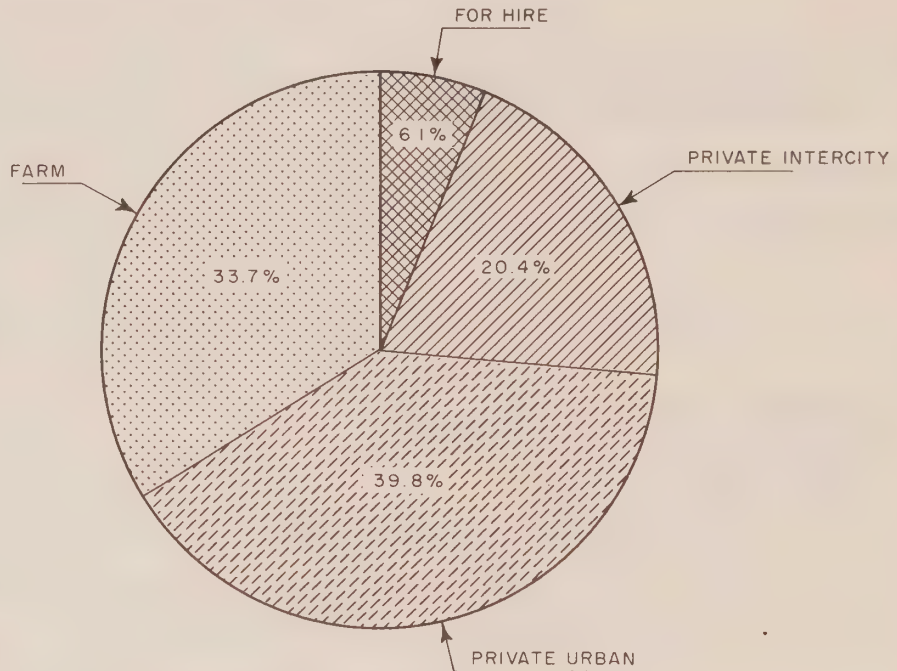
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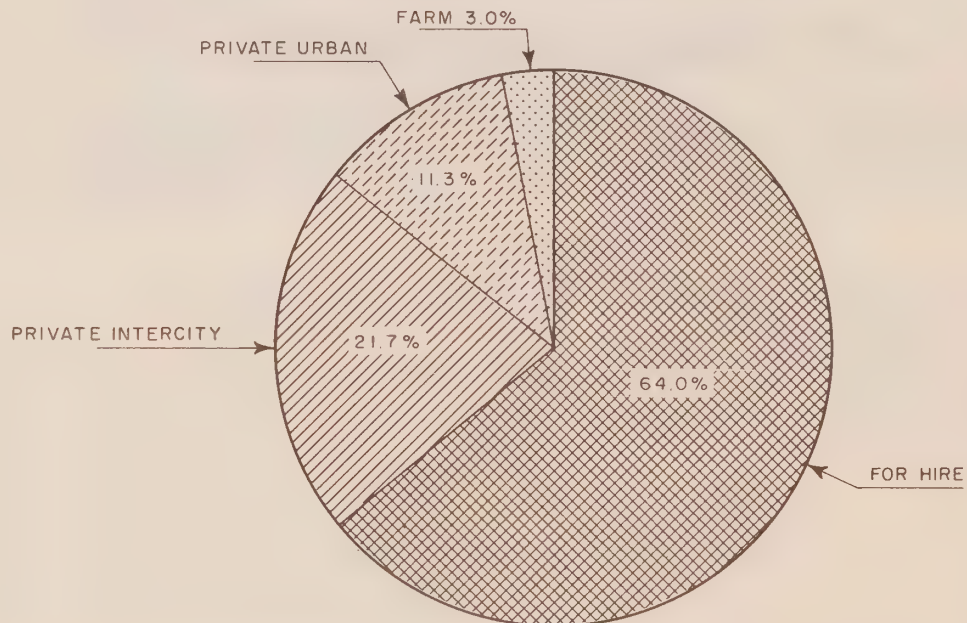
# MOTOR TRANSPORT TRAFFIC NATIONAL ESTIMATES 1960

CHART-1 TRUCK REGISTRATIONS BY TYPE OF OPERATION



Source: Appendix I.

CHART-2 NET TON MILES BY TYPE OF OPERATION

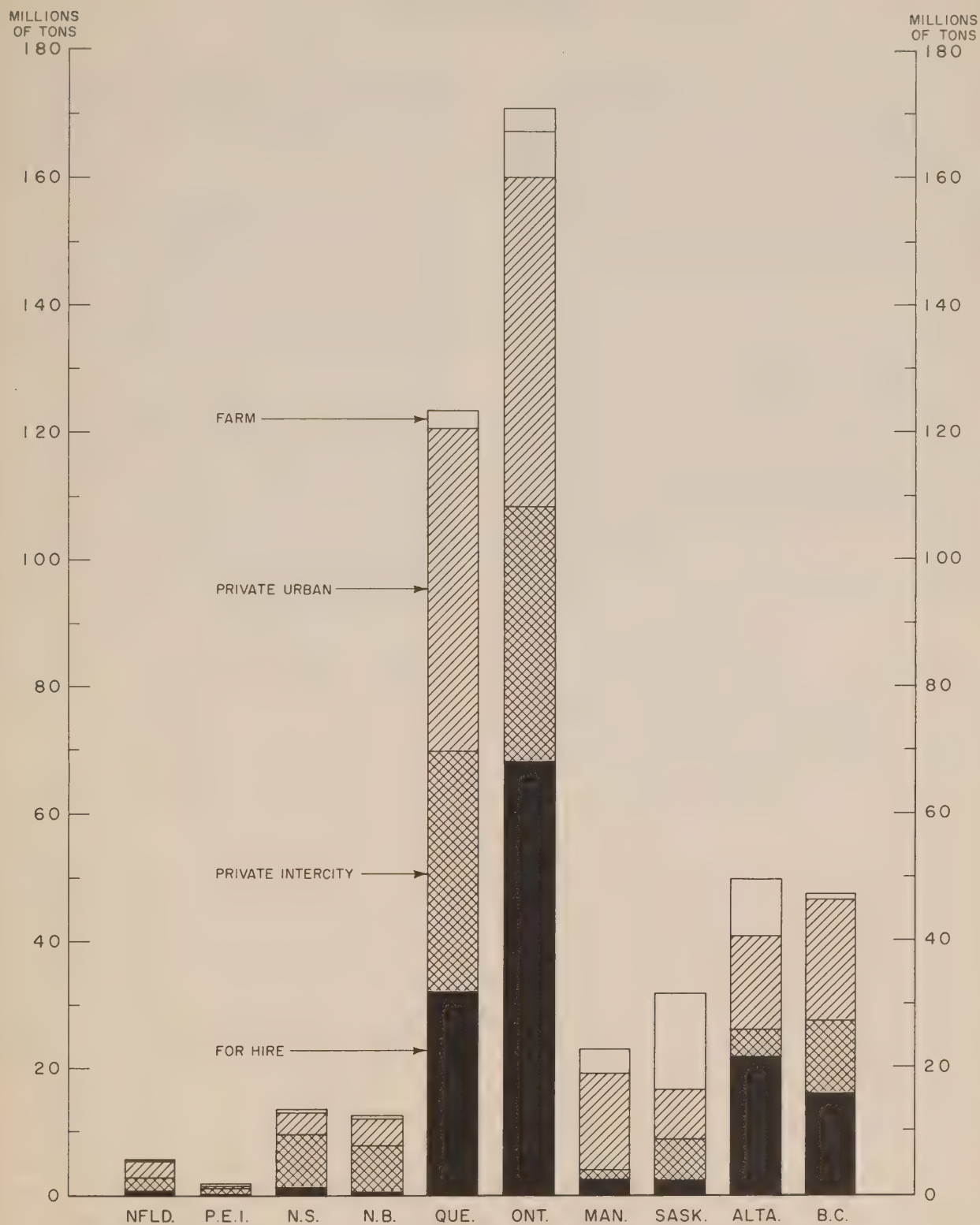


Source: Section I, Table I.



CHART - 3

# TONS CARRIED BY TYPE OF OPERATION



Source: Section I, Tables 4, 7, 10 and 11.



## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1960. Truck transport statistics published in provincial and regional reports for 1960 have been summarized herein.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957. A summary table has been included in this report for the first time which provides a comparison of principal statistics by function of carrier for the years 1958, 1959 and 1960. The data contained in this table should be used only as a guide to the trends in truck traffic as methods used in estimating the traffic have been improved over the years and consequently some changes in concepts have had to be made which affect the comparability of the statistics.

### Sample Selection

The 1960 national estimates of motor transport traffic in Canada are based upon a sample of approximately 11 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province are as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/32	1/16	1/4	1/4	1/4	1/4
Prince Edward Island .....	1/32	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/12	1/80	1/12	1/12	1/4	1/4
New Brunswick .....	1/8	1/80	1/12	1/12	1/4	1/4
Quebec <sup>1</sup> .....	1/144	1/144	1/24	1/24	1/6	1/6
Ontario .....	1/216	1/72	1/24	1/24	1/6	1/6
Manitoba .....	1/144	1/144	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/48)	(1/48)	(1/12)	(1/12)
Saskatchewan .....	1/72	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/72)	(1/72)	(1/36)	(1/12)
Alberta .....	1/144	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/288)	(1/144)	(1/24)	(1/72)	(1/12)	(1/12)
British Columbia .....	1/144	1/72	1/24	1/24	1/6	1/6

<sup>1</sup> Vehicles in Quebec were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb.



Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm

trucks are those operated by farmers primarily to transport farm produce and supplies.

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix 1 for 1960 population estimates and Appendix IV for the description of vehicle classifications in each province.)

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at national totals. Current procedures in arriving at provincial and national totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.

The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.

In Ontario a further improvement has been made for 1960. The actual number of all P.C.V. registered trucks and tractors by gross vehicle weight was

made available for the 1959 registration year so this population was used for the for hire segment of the 1960 Ontario truck population.

3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.
4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.
6. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.
7. Annual provincial totals are added together to obtain national estimates.

### Compilation of National Estimates

#### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are intransit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements. As there is a tendency for increasing freedom of interprovincial movement under reciprocal licensing arrangements, the amount of duplication that is due to multiple licensing may be expected to diminish over the years. A summary of reciprocal highway agreements for trucking, current at December 31, 1961, appears

in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1961, Part I, Rates and Regulations", catalogue no. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of interprovincial operations reported by each operator. As reciprocity of licensing arrangements increases, it will be necessary to reduce data collected on these operations by some proportion less than fifty per cent.

Although it was necessary to reduce interprovincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when provincial data are added together that difficulties arise.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licences trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix IV, which describes the vehicle classifications used in this report, will reveal these variations.

### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1960 appears in Appendix V.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the average load carried during the week was calculated and then multiplied by the number of miles travelled with a load to obtain net ton miles.

Average distance each ton was carried—total net ton miles divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel)—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by total miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during the year divided by the estimated annual truck population.

Capacity ton miles—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by the estimated annual truck population.

Percentage of capacity utilized—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

Gross ton miles—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for vehicles in Quebec which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by estimated annual truck population.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957, 1958 and 1959.

### Review of Survey Results

The estimated population of trucks and road tractors performing transportation services in Canada during the year rose 2.4 per cent to 909,400 from 888,475 in 1959. Of these 55,016 or 6.1 per cent were for hire vehicles; 185,919 or 20.4 per cent were private intercity vehicles; 361,845 or 39.8 per

cent were private vehicles operating wholly within urban areas; and 306,620 or 33.7 per cent were farm trucks. Almost one third of the total number of trucks were registered in Ontario and one half were registered in the two provinces of Quebec and Ontario.



In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected, it does not follow that there were no vehicles in the province belonging to these classifications.

### **Section I. Total Truck Traffic by Canadian Registered Trucks**

Total miles travelled by transport trucks and road tractors decreased by 2.4 per cent to 6,278 million in 1960 from 6,432 million in 1959 and the average mileage per truck declined to 6,900 miles from 7,200 in the previous year. The average distance each ton of goods was carried decreased to 32.6 miles from 34.4 and the proportion of empty miles was constant at one half.

Gasoline consumption increased by 0.4 per cent to 609,432,000 gallons in 1960 from 606,997,000 gallons in 1959 while diesel fuel consumption decreased 3.3 per cent to 76,776,000 gallons in 1960 from 79,361,000 gallons in the previous year.

The total weight of goods carried by all trucks increased slightly between the two years to 478,702,000 tons from 463,767,000 tons and the average weight carried remained at 5.0 tons. Total net ton miles decreased by 2.1 per cent to 15,602,184,000 from 15,937,533,000 in 1959, and the average net ton miles per truck declined by 4 per cent.

Trucks with a gross vehicle weight of 20,001 lb. and over comprised approximately one tenth of the total truck population in 1960. However these

vehicles had an average yearly mileage of almost 19,000 miles, an average load of 10.3 tons and travelled empty only 31.6 per cent of the time. Consequently these heavier trucks performed 86.3 per cent of the road transportation services of the country measured in terms of net ton miles.

Charts 1 and 2 indicate that for hire trucks and road tractors, which represented only 6.1 per cent of total registrations, performed 64.0 per cent of truck transport net ton miles. For hire vehicles carried an average load of 10.1 tons compared with an average of 5.0 tons for trucks of all types and transported each ton an average distance of 68.9 miles as against 32.6 miles for all four categories of trucks.

### **Section II. Interprovincial and International Traffic by Canadian Registered Trucks**

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries from or to points outside the survey province. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 4,320,000 tons of goods, of which 35 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 1,627,000 tons of goods between provinces, of which 31 per cent was moved between Quebec and Ontario.

### **Appendix II**

During 1960, survey questionnaires were mailed to the owners or operators of 102,821 motor vehicles. Of this number 42,148 were returned completed and 29,780 trucks were reported not used during the

survey week. The remaining 30,893 were either returned incomplete and unusable or not returned at all.

June 26, 1962.



## Comparative summary of total traffic of all trucks by type of operation, 1958-60

	Estimated annual population	Mileage			Fuel			Weight of goods carried	
		Total mileage travelled	Average distance each ton was carried	Percentage of total mileage travelled empty	Total gallons consumed			Total tons of goods carried	Average weight carried
					Gasoline	Diesel	Other		
		'000			'000	'000	'000	'000	tons
For hire:									
1958 .....	50,503	1,299,274	66.4	27.5	164,062	42,368	163	140,405	9.9
1959 .....	54,495	1,380,390	72.6	25.6	159,504	68,777	154	145,413	10.3
1960 .....	55,016	1,348,359	68.9	26.4	160,823	65,390	238	144,912	10.1
Private intercity:									
1958 .....	205,623	2,205,415	31.3	54.5	217,633	7,135	480	137,907	4.3
1959 .....	211,315	2,214,127	25.4	59.3	204,747	9,351	444	136,883	3.9
1960 .....	185,919	1,861,885	28.2	57.1	182,396	10,021	598	120,287	4.2
Private urban:									
1958 .....	309,628	2,090,989	10.3	49.9	187,373	592	—	152,585	1.5
1959 .....	317,782	1,947,205	10.0	49.5	173,709	1,233	—	154,628	1.6
1960 .....	361,845	2,104,531	9.9	51.9	190,230	1,365	—	176,967	1.7
Farm:									
1958 .....	297,021	1,020,334	15.1	70.0	80,465	—	—	29,416	1.5
1959 .....	304,883	890,368	13.8	67.5	69,037	—	—	26,843	1.3
1960 .....	306,620	963,336	12.9	66.0	75,983	—	—	36,536	1.4
All trucks:									
1958 .....	862,775	6,616,012	34.0	50.1	649,533	50,095	643	460,313	4.7
1959 .....	888,475	6,432,090	34.4	50.2	606,997	79,361	598	463,767	5.0
1960 .....	909,400	6,278,111	32.6	50.1	609,432	76,776	836	478,702	5.0
		Net ton miles		Capacity ton miles		Gross ton miles	Revenue		
		Total net ton miles performed	Average net ton miles per truck	Total capacity ton miles	Percentage of capacity utilized		Total revenue	Revenue per ton mile	Average revenue per truck
		'000		'000		'000	\$'000	¢	\$
For hire:									
1958 .....	9,326,756	184,700	17,592,837	53.0	18,760,149	630,999	6.8	12,500	
1959 .....	10,553,130	193,700	18,291,058	57.7	21,447,166	679,600	6.4	12,500	
1960 .....	9,984,777	181,500	17,576,454	56.8	22,426,938	657,862	6.6	12,000	
Private intercity:									
1958 .....	4,309,895	21,000	10,441,695	41.3	11,747,997	—	—	—	
1959 .....	3,472,685	16,400	9,047,371	38.4	10,864,735	—	—	—	
1960 .....	3,386,830	18,200	8,474,129	40.0	10,145,099	—	—	—	
Private urban:									
1958 .....	1,565,335	5,100	4,913,050	31.9	6,721,037	—	—	—	
1959 .....	1,540,177	4,800	4,584,913	33.6	6,369,107	—	—	—	
1960 .....	1,759,002	4,900	5,113,859	34.4	7,111,042	—	—	—	
Farm:									
1958 .....	443,297	1,500	1,838,072	24.1	2,688,876	—	—	—	
1959 .....	371,541	1,200	1,556,886	23.9	2,298,390	—	—	—	
1960 .....	471,575	1,500	1,737,333	27.1	2,619,522	—	—	—	
All trucks:									
1958 .....	15,645,283	18,100	34,785,654	45.0	39,918,059	—	—	—	
1959 .....	15,937,533	17,900	33,480,228	47.6	40,979,398	—	—	—	
1960 .....	15,602,184	17,200	32,901,775	47.4	42,302,601	—	—	—	

## SECTION 1. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1960

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	1,348,359	1,861,885	2,104,531	963,336	6,278,111
Average yearly mileage per truck .....		24,500	10,000	5,800	3,100	6,900
Average distance each ton was carried .....		68.9	28.2	9.9	12.9	32.6
Percentage of total mileage travelled empty .....		26.4	57.1	51.9	66.0	50.1
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	160,823	182,396	190,230	75,983	609,432
Miles per gallon of gasoline .....		6.0	9.9	11.0	12.7	9.6
Total gallons of diesel oil consumed .....	'000	65,390	10,021	1,365	—	76,776
Miles per gallon of diesel oil .....		5.8	6.1	5.8	—	5.9
Total gallons of other fuel consumed .....	'000	238	598	—	—	836
Miles per gallon of other fuel .....		6.5	6.4	—	—	6.4
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	144,912	120,287	176,967	36,536	478,702
Average weight carried <sup>1</sup> .....	ton	10.1	4.2	1.7	1.4	5.0
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	9,984,777	3,386,830	1,759,002	471,575	15,602,184
Average net ton miles per truck .....		181,500	18,200	4,900	1,500	17,200
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	17,576,454	8,474,129	5,113,859	1,737,333	32,901,775
Average capacity ton miles per truck .....		319,500	45,600	14,100	4,800	36,200
Percentage of capacity utilized .....		56.8	40.0	34.4	27.1	47.4
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	22,426,938	10,145,099	7,111,042	2,619,522	42,302,601
Average gross ton miles per truck .....		407,600	54,600	19,700	7,300	46,500
<b>Revenue:</b>						
Total revenue .....	\$'000	657,862	—	—	—	—
Revenue per ton mile .....	¢	6.6	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	48.8	—	—	—	—
Average revenue per truck .....	\$	12,000	—	—	—	—
Estimated annual population .....		55,016	185,919	361,845	306,620	909,400

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
<b>Mileage:</b>								
Total mileage travelled .....	'000 1,855,387	1,730,680	326,765	451,907	683,249	645,125	584,998	6,278,111
Average yearly mileage per truck .....	5,200	5,600	5,400	5,900	11,300	21,500	46,400	6,900
Average distance each ton was carried .....	15.7	17.6	13.8	15.1	13.9	33.4	155.0	32.6
Percentage of total mileage travelled empty .....	71.3	54.4	34.7	36.2	39.9	32.1	21.4	50.1
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 124,054	143,496	34,623	56,964	96,474	95,865	57,956	609,432
Miles per gallon of gasoline .....	15.0	12.1	9.4	7.9	7.0	5.2	4.8	9.6
Total gallons of diesel oil consumed .....	'000 —	—	—	—	—	23,582	53,194	76,776
Miles per gallon of diesel oil .....	—	—	—	—	—	6.0	5.8	5.9
Total gallons of other fuel consumed .....	'000 —	—	—	—	615	191	30	836
Miles per gallon of other fuel .....	—	—	—	—	6.6	6.1	5.7	6.4
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 10,698	32,174	30,257	65,469	162,615	134,175	43,314	478,702
Average weight carried <sup>1</sup> .....	ton 0.3	0.7	2.0	3.4	5.5	10.3	14.6	5.0
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 168,164	564,789	418,392	987,425	2,262,947	4,488,152	6,712,315	15,602,184
Average net ton miles per truck .....	500	1,800	6,900	12,900	37,500	149,300	532,300	17,200
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 1,505,387	2,406,040	1,115,807	2,470,014	5,484,729	8,978,300	10,941,498	32,901,775
Average capacity ton miles per truck .....	4,200	7,800	18,400	32,200	90,900	298,600	867,800	36,200
Percentage of capacity utilized .....	11.2	23.5	37.5	40.0	41.3	50.0	61.3	47.4
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 3,125,494	4,258,159	1,527,571	2,799,767	5,588,304	10,416,060	14,587,246	42,302,601
Average gross ton miles per truck .....	8,700	13,700	25,200	36,500	92,700	346,400	1,156,900	46,500
Estimated annual population .....	359,371	309,762	60,583	76,692	60,315	30,068	12,609	909,400

TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled.....'000	65,039	29,337	188,993	164,702	1,455,258	2,131,457
Average yearly mileage per truck.....	5,900	4,700	5,900	7,200	8,800	7,500
Average distance each ton was carried.....	8.0	17.6	17.8	21.5	27.7	34.7
Percentage of total mileage travelled empty.....	64.4	67.0	60.3	54.8	43.0	49.4
<b>Fuel:</b>						
Total gallons of gasoline consumed.....'000	5,375	2,453	17,831	16,631	139,992	224,645
Miles per gallon of gasoline.....	12.1	12.0	10.5	9.7	9.6	9.0
Total gallons of diesel oil consumed.....'000	—	—	242	479	18,154	20,048
Miles per gallon of diesel oil.....	—	—	6.5	6.1	6.0	5.9
Total gallons of other fuel consumed.....'000	—	—	—	—	—	—
Miles per gallon of other fuel.....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried.....'000	5,527	1,712	13,222	12,291	123,415	170,972
Average weight carried <sup>1</sup> .....ton	1.9	3.1	3.1	3.6	4.1	5.5
<b>Net ton miles:</b>						
Total net ton miles performed.....'000	44,298	30,057	235,741	264,366	3,416,093	5,927,518
Average net ton miles per truck.....	4,000	4,800	7,400	11,600	20,600	21,000
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....'000	137,051	77,880	614,373	683,206	7,350,508	12,527,348
Average capacity ton miles per truck.....	12,300	12,400	19,300	30,000	44,400	44,300
Percentage of capacity utilized.....	32.3	38.6	38.4	38.7	46.5	47.3
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....'000	194,895	100,464	812,634	851,112	8,928,243	15,884,101
Average gross ton miles per truck.....	17,600	15,900	25,600	37,300	53,900	56,200
Estimated annual population.....	11,100	6,300	31,800	22,800	165,500	282,500
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled.....'000	370,597	445,707	808,461	618,560	6,278,111	
Average yearly mileage per truck.....	6,100	4,300	6,500	6,200	6,900	
Average distance each ton was carried.....	45.7	24.7	50.2	28.7	32.6	
Percentage of total mileage travelled empty.....	47.9	57.0	52.4	56.4	50.1	
<b>Fuel:</b>						
Total gallons of gasoline consumed.....'000	34,457	42,371	70,850	54,827	609,432	
Miles per gallon of gasoline.....	9.6	10.1	9.8	10.3	9.6	
Total gallons of diesel oil consumed.....'000	7,307	2,848	18,386	9,312	76,776	
Miles per gallon of diesel oil.....	5.5	6.1	5.9	5.8	5.9	
Total gallons of other fuel consumed.....'000	—	—	619	217	836	
Miles per gallon of other fuel.....	—	—	6.4	6.3	6.4	
<b>Weight of goods carried:</b>						
Total tons of goods carried.....'000	22,887	31,656	49,752	47,268	478,702	
Average weight carried <sup>1</sup> .....ton	5.4	4.1	6.5	5.0	5.0	
<b>Net ton miles:</b>						
Total net ton miles performed.....'000	1,045,843	782,877	2,497,662	1,357,729	15,602,184	
Average net ton miles per truck.....	17,300	7,500	20,100	13,600	17,200	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....'000	1,989,970	1,924,764	4,657,057	2,939,618	32,901,775	
Average capacity ton miles per truck.....	32,900	18,400	37,400	29,400	36,200	
Percentage of capacity utilized.....	52.6	40.7	53.6	46.2	47.4	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....'000	2,797,263	2,516,205	6,460,372	3,757,312	42,302,601	
Average gross ton miles per truck.....	46,200	24,100	51,900	37,600	46,500	
Estimated annual population.....	60,500	104,400	124,500	100,000	909,400	

See footnotes at end of Table 11, page 17.



TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	2,427	900	13,326	12,209	288,721	526,272
Average yearly mileage per truck .....	5,300	8,400	13,400	23,600	21,100	25,400
Average distance each ton was carried .....	7.4	109.6	49.2	146.6	58.8	57.8
Percentage of total mileage travelled empty .....	37.8	32.1	28.8	29.9	21.5	28.0
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	290	133	1,770	1,651	30,567	75,577
Miles per gallon of gasoline .....	8.4	6.8	6.6	5.6	6.7	5.7
Total gallons of diesel oil consumed ..... '000	—	—	242	479	13,909	16,616
Miles per gallon of diesel oil .....	—	—	6.5	6.1	5.9	5.8
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	733	37	1,313	548	31,954	68,181
Average weight carried <sup>1</sup> ..... ton	3.6	6.5	6.8	9.4	8.3	10.4
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	5,437	3,978	64,554	80,376	1,879,817	3,937,873
Average net ton miles per truck .....	12,000	37,200	64,700	155,500	137,200	189,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	12,071	8,078	121,426	156,858	3,335,339	7,277,536
Average capacity ton miles per truck .....	26,600	75,500	121,800	303,400	243,500	350,900
Percentage of capacity utilized .....	45.0	49.2	53.2	51.2	56.4	54.1
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	14,678	10,032	162,433	193,105	3,980,836	9,007,725
Average gross ton miles per truck .....	32,300	93,800	162,900	373,500	290,600	434,300
<b>Revenue:</b>						
Total revenue ..... \$'000	1,650	475	7,733	5,927	154,350	271,089
Revenue per ton mile ..... ¢	30.4	11.9	12.0	7.4	8.2	6.9
Revenue per mile (total mileage travelled) ..... ¢	68.0	52.8	58.0	48.5	53.5	51.5
Average revenue per truck ..... \$	3,600	4,400	7,800	11,500	11,300	13,100
Estimated annual population .....	454	107	997	517	13,700	20,741
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	77,339	60,303	255,362	111,500	1,348,359	
Average yearly mileage per truck .....	51,600	37,700	27,200	18,600	24,500	
Average distance each ton was carried .....	319.6	174.4	96.2	49.7	68.9	
Percentage of total mileage travelled empty .....	18.3	33.1	27.9	29.0	26.4	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	7,151	8,119	24,003	11,562	160,823	
Miles per gallon of gasoline .....	5.4	5.6	6.1	6.3	6.0	
Total gallons of diesel oil consumed ..... '000	6,985	2,405	17,942	6,812	65,390	
Miles per gallon of diesel oil .....	5.5	6.1	5.9	5.7	5.8	
Total gallons of other fuel consumed ..... '000	—	—	238	—	238	
Miles per gallon of other fuel .....	—	—	6.5	—	6.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	2,326	2,269	21,683	15,868	144,912	
Average weight carried <sup>1</sup> ..... ton	11.8	9.8	11.3	10.0	10.1	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	743,514	395,805	2,085,482	787,941	9,984,777	
Average net ton miles per truck .....	495,700	247,400	221,900	131,300	181,500	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	1,124,960	759,113	3,374,817	1,406,256	17,576,454	
Average capacity ton miles per truck .....	750,000	474,400	359,000	234,400	319,500	
Percentage of capacity utilized .....	66.1	52.1	61.8	56.0	56.8	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	1,647,185	975,331	4,680,669	1,754,944	22,426,938	
Average gross ton miles per truck .....	1,098,100	609,600	497,900	292,500	407,600	
<b>Revenue:</b>						
Total revenue ..... \$'000	33,515	21,326	97,812	63,985	657,862	
Revenue per ton mile ..... ¢	4.5	5.4	4.7	8.1	6.6	
Revenue per mile (total mileage travelled) ..... ¢	43.3	35.4	38.3	57.4	48.8	
Average revenue per truck ..... \$	22,300	13,300	10,400	10,700	12,000	
Estimated annual population .....	1,500	1,600	9,400	6,000	55,016	

See footnotes at end of Table 11, page 17.

TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	15,485	143,613	323,270	2.3	20.9	96,317	29.8	18,237
20,001-30,000 lb. ....	58,189	161,070	911,150	5.7	15.7	101,691	11.2	15,604
30,001-50,000 lb. ....	40,938	284,942	2,922,310	10.3	71.4	200,729	6.9	11,567
50,001 lb. and over .....	30,300	403,040	5,828,047	14.5	192.3	259,125	4.4	9,608
<b>Totals .....</b>	<b>144,912</b>	<b>992,665</b>	<b>9,984,777</b>	<b>10.1</b>	<b>68.9</b>	<b>657,862</b>	<b>6.6</b>	<b>55,016</b>

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	2,679	29,339	390,737	13.3	145.9	15,051	3.9
Animals and animal products .....	7,362	153,470	1,265,565	8.2	171.9	70,125	5.5
Mine products .....	70,636	73,464	781,150	10.6	11.1	53,371	6.8
Forest products .....	5,360	23,795	287,370	12.1	53.6	17,999	6.3
Manufactures and miscellaneous .....	40,559	465,417	4,737,747	10.2	116.8	326,884	6.9
N.O.S. general freight .....	18,316	247,180	2,522,208	10.2	137.7	174,432	6.9
<b>Totals .....</b>	<b>144,912</b>	<b>992,665</b>	<b>9,984,777</b>	<b>10.1</b>	<b>68.9</b>	<b>657,862</b>	<b>6.6</b>

TABLE 7. Private Intercity Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	35,835	17,024	116,526	97,741	401,154	662,111	40,159	95,234	170,930	225,171	1,861,885
Average yearly mileage per truck .....	6,400	5,700	7,000	9,000	13,700	10,700	14,900	11,100	9,100	8,000	10,000
Average distance each ton was carried .....	11.3	19.7	17.2	20.9	24.9	32.5	54.8	25.9	36.1	34.3	28.2
Percentage of total mileage travelled empty .....	71.9	70.2	62.6	57.8	53.3	53.6	31.1	56.5	67.1	65.0	57.1
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2,896	1,493	11,049	10,248	42,352	66,969	4,544	9,298	14,792	18,755	182,396
Miles per gallon of gasoline .....	12.4	11.4	10.5	9.5	9.0	9.6	8.5	10.0	11.2	11.1	9.9
Total gallons of diesel oil consumed ..... '000	—	—	—	—	2,968	3,432	234	443	444	2,500	10,021
Miles per gallon of diesel oil .....	—	—	—	—	6.1	6.2	5.8	6.1	5.8	6.1	6.1
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	381	217	598
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	6.4	6.3	6.4
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	2,158	1,124	8,049	7,142	37,863	40,106	1,619	6,455	4,253	11,518	120,287
Average weight carried <sup>1</sup> ..... ton	2.4	4.4	3.2	3.6	5.0	4.2	3.2	4.0	2.7	5.0	4.2
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	24,450	22,106	138,817	149,155	944,467	1,304,048	88,675	166,950	153,605	394,557	3,386,830
Average net ton miles per truck .....	4,300	7,400	8,300	13,700	32,200	21,000	32,800	19,400	8,200	14,000	18,200
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>3</sup> ..... '000	77,386	55,886	384,396	401,390	2,249,393	3,229,438	207,060	427,875	487,621	953,684	8,474,129
Average capacity ton miles per truck .....	13,800	18,600	23,000	36,900	76,600	52,100	76,700	49,600	26,000	33,700	45,600
Percentage of capacity utilized .....	31.6	39.6	36.1	37.2	42.0	40.4	42.8	39.0	31.5	41.4	40.0
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	107,696	67,166	482,598	479,515	2,480,966	3,928,139	261,835	519,832	647,996	1,169,356	10,145,099
Average gross ton miles per truck .....	19,200	22,400	28,800	44,000	84,500	63,400	97,000	60,300	34,500	41,400	54,600
Estimated annual population ..	5,623	2,998	16,749	10,892	29,353	61,956	2,700	8,618	18,760	28,270	185,919

See footnotes at end of Table 11, page 17.

TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	7, 230	336, 403	180, 123	0.5	24.9	133, 159
10,001-20,000 lb. ....	24, 009	156, 852	468, 154	3.0	19.5	24, 768
20,001-30,000 lb. ....	43, 648	150, 862	830, 375	5.5	19.0	17, 061
30,001-50,000 lb. ....	32, 386	97, 862	1, 023, 910	10.5	31.6	7, 930
50,001 lb. and over .....	13, 014	56, 785	884, 268	15.6	67.9	3, 001
<b>Totals .....</b>	<b>120, 287</b>	<b>798, 764</b>	<b>3, 386, 830</b>	<b>4.2</b>	<b>28.2</b>	<b>185, 919</b>

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton
	'000 tons	'000	'000	tons	miles
Agricultural products .....	2, 385	28, 712	187, 964	6.5	78.8
Animals and animal products .....	4, 157	104, 510	265, 360	2.5	63.8
Mine products .....	58, 235	61, 374	541, 022	8.8	9.3
Forest products .....	12, 580	50, 774	425, 834	8.4	33.9
Manufactures and miscellaneous .....	39, 244	494, 621	1, 799, 500	3.6	45.9
N.O.S. general freight .....	3, 686	58, 773	167, 150	2.8	45.3
<b>Totals .....</b>	<b>120, 287</b>	<b>798, 764</b>	<b>3, 386, 830</b>	<b>4.2</b>	<b>28.2</b>

TABLE 10. Private Urban Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	24, 311	3, 417	43, 836	37, 365	642, 601	753, 414	171, 888	62, 477	126, 453	238, 769	2, 104, 531
Average yearly mileage per truck .....	5, 300	3, 600	4, 700	5, 200	7, 400	5, 500	7, 300	4, 900	5, 000	4, 500	5, 800
Average distance each ton was carried .....	5.3	5.3	7.8	6.8	10.8	10.8	11.1	7.3	7.8	8.6	9.9
Percentage of total mileage travelled empty .....	56.8	56.9	61.9	47.6	42.8	54.8	57.1	51.7	58.8	58.5	51.9
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2, 014	254	3, 799	3, 461	57, 949	67, 879	15, 965	5, 786	11, 849	21, 274	190, 230
Miles per gallon of gasoline .....	12.1	13.5	11.5	10.8	11.0	11.1	10.7	10.8	10.7	11.2	11.0
Total gallons of diesel oil consumed ..... '000	—	—	—	—	1, 277	—	88	—	—	—	1, 365
Miles per gallon of diesel oil .....	—	—	—	—	5.8	—	5.6	—	—	—	5.8
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried .. '000	2, 618	281	3, 478	4, 213	50, 852	58, 878	15, 071	7, 718	14, 753	19, 105	176, 967
Average weight carried <sup>1</sup> ..... ton	1.3	1.0	1.6	1.5	1.5	1.9	2.3	1.9	2.2	1.7	1.7
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	13, 925	1, 494	27, 174	28, 838	549, 705	635, 182	166, 612	56, 487	115, 605	163, 980	1, 759, 002
Average net ton miles per truck .....	3, 100	1, 600	2, 900	4, 000	6, 300	4, 600	7, 000	4, 400	4, 600	3, 100	4, 900
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	44, 773	4, 089	83, 057	95, 732	1, 608, 253	1, 775, 651	488, 287	163, 466	325, 212	525, 339	5, 113, 859
Average capacity ton miles per truck .....	9, 800	4, 400	8, 900	13, 400	18, 500	12, 900	20, 600	12, 800	12, 800	9, 800	14, 100
Percentage of capacity utilized .....	31.1	36.5	32.7	30.1	34.2	35.8	34.1	34.6	35.5	31.2	34.4
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	67, 366	7, 491	129, 253	132, 127	2, 193, 378	2, 539, 226	642, 475	218, 608	439, 365	741, 753	7, 111, 042
Average gross ton miles per truck .....	14, 800	8, 000	13, 900	18, 500	25, 200	18, 500	27, 100	17, 100	17, 300	13, 900	19, 700
Estimated annual population ....	4, 552	937	9, 330	7, 152	86, 947	137, 550	23, 700	12, 782	25, 340	53, 555	361, 845



TABLE 11. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	2,466	7,996	15,305	17,387	122,782	189,660	81,211	227,693	255,716	43,120	963,336
Average yearly mileage per truck .....	5,200	3,500	3,200	4,100	3,500	3,000	2,500	2,800	3,600	3,500	3,100
Average distance each ton was carried .....	27.6	9.2	13.6	15.5	15.3	13.2	12.2	10.8	15.8	14.5	12.9
Percentage of total mileage travelled empty .....	57.4	68.6	66.1	71.2	61.1	72.2	65.1	65.0	63.7	70.8	66.0
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	175	573	1,213	1,271	9,124	14,220	6,797	19,168	20,206	3,236	75,983
Miles per gallon of gasoline .....	14.0	13.9	12.6	13.7	13.5	13.3	11.9	11.9	12.7	13.3	12.7
Total gallons of diesel oil consumed .... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	18	270	382	388	2,746	3,807	3,871	15,214	9,063	777	36,536
Average weight carried <sup>1</sup> ..... ton	0.5	1.0	1.0	1.2	0.9	1.0	1.7	2.1	1.5	0.9	1.4
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	486	2,479	5,196	5,997	42,104	50,415	47,042	163,635	142,970	11,251	471,575
Average net ton miles per truck .....	1,000	1,100	1,100	1,400	1,200	800	1,400	2,000	2,000	900	1,500
<b>Capacity ton miles:</b>											
Total capacity ton miles <sup>2</sup> ..... '000	2,821	9,827	25,494	29,226	157,523	244,723	169,663	574,310	469,407	54,339	1,737,333
Average capacity ton miles per truck ....	6,000	4,400	5,400	6,900	4,400	3,900	5,200	7,100	6,600	4,500	4,800
Percentage of capacity utilized .....	17.2	25.2	20.4	20.5	26.7	20.6	27.7	28.5	30.5	20.7	27.1
<b>Gross ton miles:</b>											
Total gross ton miles <sup>3</sup> ..... '000	5,155	15,775	38,350	46,365	273,063	409,011	245,768	802,434	692,342	91,259	2,619,522
Average gross ton miles per truck .....	10,900	7,000	8,100	10,900	7,700	6,600	7,500	9,900	9,800	7,500	7,300
Estimated annual population .....	471	2,258	4,724	4,239	35,500	62,253	32,600	81,400	71,000	12,175	306,620

<sup>1</sup> Ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.<sup>3</sup> Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1960

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
From:										
Atlantic Provinces .....	—	14	4	—	—	—	—	—	7	25
Quebec .....	30	—	775	9	—	65	—	—	162	1,041
Ontario .....	8	751	—	116	19	117	16	—	338	1,365
Manitoba .....	—	9	151	—	87	39	4	—	3	293
Saskatchewan .....	—	—	3	148	—	40	—	—	7	198
Alberta .....	—	63	82	28	71	—	187	55	11	497
British Columbia .....	—	1	12	5	1	131	—	2	132	284
Yukon and Northwest Territories .....	—	—	—	—	—	1	2	—	—	3
United States .....	4	135	293	25	7	14	136	—	—	614
<b>Totals .....</b>	<b>42</b>	<b>973</b>	<b>1,320</b>	<b>331</b>	<b>185</b>	<b>407</b>	<b>345</b>	<b>57</b>	<b>660</b>	<b>4,320</b>
Private intercity										
'000 tons										
From:										
Atlantic Provinces .....	—	18	1	—	—	—	—	—	127	146
Quebec .....	51	—	316	—	—	—	—	—	100	467
Ontario .....	1	190	—	3	2	—	1	—	106	303
Manitoba .....	—	—	13	—	44	1	—	—	12	70
Saskatchewan .....	—	1	1	23	—	11	—	—	—	37
Alberta .....	—	—	—	1	22	—	28	—	1	52
British Columbia .....	—	—	—	—	3	35	—	45	73	156
Yukon and Northwest Territories .....	—	—	—	—	—	—	16	—	—	16
United States .....	34	133	144	7	—	12	50	—	—	380
<b>Totals .....</b>	<b>86</b>	<b>342</b>	<b>475</b>	<b>34</b>	<b>71</b>	<b>59</b>	<b>96</b>	<b>45</b>	<b>419</b>	<b>1,627</b>

TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	154	3,568	17,632	4.9	114.5	2,197	12.5
30,001-50,000 lb. ....	1,425	60,846	639,411	10.5	448.7	35,830	5.6
50,001 lb. and over .....	2,741	113,614	1,683,259	14.8	614.1	55,502	3.3
<b>Totals .....</b>	<b>4,320</b>	<b>178,028</b>	<b>2,340,302</b>	<b>13.1</b>	<b>541.7</b>	<b>93,529</b>	<b>4.0</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	240	7,441	13,042	1.8		54.3	
20,001-30,000 lb. ....	310	4,872	30,631	6.3		98.8	
30,001-50,000 lb. ....	555	9,985	114,274	11.4		205.9	
50,001 lb. and over .....	522	10,161	153,949	15.2		294.9	
<b>Totals .....</b>	<b>1,627</b>	<b>32,459</b>	<b>311,896</b>	<b>9.6</b>		<b>191.7</b>	

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	269	12,311	181,880	14.8	676.1	5,011	2.8
Animals and animal products .....	358	27,872	363,103	13.0	1,014.3	10,979	3.0
Mine products .....	89	798	12,594	15.8	141.5	521	4.1
Forest products .....	136	2,497	39,523	15.8	290.6	1,691	4.3
Manufactures and miscellaneous .....	2,286	89,863	1,103,193	12.3	482.6	50,675	4.6
N.O.S. general freight .....	1,182	44,687	640,009	14.3	541.5	24,652	3.9
<b>Totals .....</b>	<b>4,320</b>	<b>178,028</b>	<b>2,340,302</b>	<b>13.1</b>	<b>541.7</b>	<b>93,529</b>	<b>4.0</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	144	3,319	45,222	13.6		314.0	
Animals and animal products .....	81	3,888	29,460	7.6		363.7	
Mine products .....	247	1,555	27,556	17.7		111.6	
Forest products .....	403	3,524	35,716	10.1		88.6	
Manufactures and miscellaneous .....	714	17,965	160,036	8.9		224.1	
N.O.S. general freight .....	38	2,208	13,906	6.3		365.9	
<b>Totals .....</b>	<b>1,627</b>	<b>32,459</b>	<b>311,896</b>	<b>9.6</b>		<b>191.7</b>	

## Appendix I

## Estimated Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Group, 1960

Type of operation and gross vehicle weight	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
For hire:												
0- 5,000 lb. ....					77	426	394	17	—	412	83	1,409
5,001-10,000 " .....					311	2,052	1,109	33	83	397	700	4,685
10,001-15,000 " .....					429	2,265	869	55	22	237	458	4,335
15,001-20,000 " .....	1	1	1	1	415	2,324	3,028	195	72	981	793	7,808
20,001-30,000 " .....					361	2,458	6,639	244	364	3,683	1,855	15,604
30,001-50,000 " .....					302	4,175	2,880	380	717	1,921	1,192	11,567
50,001 lb. and over.....					180	—	5,822	576	342	1,769	919	9,608
Totals.....	454	107	997	517	2,075	13,700	20,741	1,500	1,600	9,400	6,000	55,016
Private — Intercity:												
0- 5,000 lb. ....					6,515	5,818	32,080	—	4,115	10,883	12,897	72,308
5,001-10,000 " .....					21,011	11,198	11,151	1,626	1,638	4,071	10,156	60,851
10,001-15,000 " .....					1,649	2,311	2,804	211	223	764	913	8,875
15,001-20,000 " .....	1	1	1	1	4,008	2,449	6,003	358	570	1,517	988	15,893
20,001-30,000 " .....					2,588	4,113	6,243	304	1,417	996	1,400	17,061
30,001-50,000 " .....					355	3,464	1,909	137	551	317	1,197	7,930
50,001 lb. and over.....					136	—	1,766	64	104	212	719	3,001
Totals.....	5,623	2,998	16,749	10,892	36,262	29,353	61,956	2,700	8,618	18,760	28,270	185,919
Urban:												
0- 5,000 lb. ....					4,043	22,252	82,875	5,138	7,265	15,903	24,069	161,545
5,001-10,000 " .....					13,451	42,043	29,408	12,297	2,416	4,008	20,861	124,484
10,001-15,000 " .....					1,850	8,334	7,998	1,448	751	814	2,798	23,993
15,001-20,000 " .....	1	1	1	1	1,853	5,501	8,459	2,656	1,082	2,169	2,013	23,733
20,001-30,000 " .....					625	5,125	5,745	1,307	858	1,619	2,445	17,724
30,001-50,000 " .....					149	3,692	3,065	854	410	827	1,369	10,366
50,001 lb. and over.....					—	—	—	—	—	—	—	—
Totals.....	4,552	937	9,330	7,152	21,971	86,947	137,550	23,700	12,782	25,340	53,555	361,845
Farm:												
0- 5,000 lb. ....					2,139	17,390	45,934	2,439	15,050	34,764	6,393	124,109
5,001-10,000 " .....					8,355	15,631	13,016	22,631	36,664	18,787	4,658	119,742
10,001-15,000 " .....					611	1,950	1,547	4,115	11,001	3,417	739	23,380
15,001-20,000 " .....	1	1	1	1	482	421	1,283	2,922	12,137	11,747	266	29,258
20,001-30,000 " .....					99	108	462	458	6,447	2,250	102	9,926
30,001-50,000 " .....					6	—	11	35	101	35	17	205
50,001 lb. and over.....					—	—	—	—	—	—	—	—
Totals.....	471	2,258	4,724	4,239	11,692	35,500	62,253	32,600	81,400	71,000	12,175	306,620
All trucks:												
0- 5,000 lb. ....					12,774	45,886	161,283	7,594	26,430	61,962	43,442	359,371
5,001-10,000 " .....					43,128	70,924	54,684	36,587	40,801	27,263	36,375	309,762
10,001-15,000 " .....					4,539	14,860	13,218	5,829	11,997	5,232	4,908	60,583
15,001-20,000 " .....	1	1	1	1	6,758	10,695	18,773	6,131	13,861	16,414	4,060	76,692
20,001-30,000 " .....					3,673	11,804	19,089	2,313	9,086	8,548	5,802	60,315
30,001-50,000 " .....					812	11,331	7,865	1,406	1,779	3,100	3,775	30,068
50,001 lb. and over.....					316	—	7,588	640	446	1,981	1,638	12,609
Totals.....	11,100	6,300	31,800	22,800	72,000	165,500	282,500	60,500	104,400	124,500	100,000	909,400

1 Population estimates by gross vehicle weight group are not considered sufficiently reliable.



## Appendix II

## Survey Response, by Type of Operation and Province, 1960

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	300	51	560	398	4,051	9,198	794	963	4,915	1,972	23,202
Private:											
Intercity .....	1,683	993	3,187	2,077	5,619	9,928	496	1,926	1,743	2,806	30,458
Urban .....	1,462	278	1,329	1,232	8,247	12,018	2,641	1,632	2,349	4,769	35,957
Farm .....	95	513	419	443	1,390	2,189	1,324	3,248	2,917	666	13,204
Totals .....	3,540	1,835	5,495	4,150	19,307	33,333	5,255	7,769	11,924	10,213	102,821
Number of questionnaires returned completed											
For hire .....	96	16	207	184	2,208	4,567	435	486	1,569	1,059	10,827
Private:											
Intercity .....	602	253	1,231	736	2,413	4,590	281	674	748	1,022	12,550
Urban .....	532	70	534	432	3,480	5,378	1,038	587	831	1,731	14,613
Farm .....	32	131	164	130	510	960	330	774	889	238	4,158
Totals .....	1,262	470	2,136	1,482	8,611	15,495	2,084	2,521	4,037	4,050	42,148
Number of sampled trucks reported not in use during survey week											
For hire .....	105	15	212	100	799	2,259	151	203	1,348	487	5,679
Private:											
Intercity .....	489	298	1,047	661	1,497	2,795	120	640	556	863	8,966
Urban .....	421	76	397	401	2,099	3,448	778	528	773	1,455	10,376
Farm .....	30	156	126	146	353	609	584	1,410	1,135	210	4,759
Totals .....	1,045	545	1,782	1,308	4,748	9,111	1,633	2,781	3,812	3,015	29,780
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	99	20	141	114	1,044	2,372	208	274	1,998	426	6,696
Private:											
Intercity .....	592	442	909	680	1,709	2,543	95	612	439	921	8,942
Urban .....	509	132	398	399	2,668	3,192	825	517	745	1,583	10,968
Farm .....	33	226	129	167	527	620	410	1,064	893	218	4,287
Totals .....	1,233	820	1,577	1,360	5,948	8,727	1,538	2,467	4,075	3,148	30,893

## Appendix III

## Commodity Classification

Agricultural products: Flour Fruit Grain Grain products Sugar beets Vegetables Other agricultural products  Animals and animal products: Animals and live poultry, N.O.S. <sup>1</sup> Butter, cheese and eggs Cattle, calves and hogs Dressed meats and packing house products Fish Hides and skins Milk, cream Wool Other animal products  Mine products: Coal and coke Crude petroleum Ore and concentrates Sand, gravel, crushed rock and fill Other mine products	Forest products: Cordwood, fuelwood Logs, poles, posts and ties Lumber, timber, lath, etc. Pulpwood Other forest products  Manufactured products: Agricultural implements, farm tractors and parts Animal, fish or vegetable oil Automobiles and parts Building products, brick, cement, etc. Empty containers, wood or metal Fertilizers, chemicals and acids Food products, groceries, canned goods Furniture, furnishings and personal effects Gasoline Hardware Iron and steel products Machines, machinery and parts Metal products, N.O.S. Newspapers and other printed material Newsprint Paper products, N.O.S. Petroleum products, N.O.S. Rubber and rubber products Scrap and waste metal Soft drinks, beer and other beverages Textiles Tools and equipment Wood products, plywood, veneer, etc. Other manufactures  General freight and miscellaneous
---	--

<sup>1</sup> N.O.S. — Not otherwise specified.

**Appendix IV**  
**Description of Vehicle Classifications, 1960**

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

**For hire trucks**

**Atlantic provinces:**

No separate licence—

Newfoundland—trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island—trucks operated for compensation on intercity routes and/or in urban areas.

New Brunswick—trucks owned by companies or individuals licensed by the Motor Carrier Board.

**Quebec:**

"L" licensed vehicles—operated for compensation in intercity or urban service.

**Ontario:**

Public Commercial Vehicles (P.C.V.)—operated for compensation outside urban areas (rural and intercity routes).

**Manitoba:**

Public Service Vehicles (P.S.V.)—operated for compensation beyond 15 miles radius of place of registration.

**Saskatchewan:**

"A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

**Alberta:**

"E" and "P.S.V." licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

**British Columbia:**

"E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

**Private intercity trucks**

**Atlantic provinces:**

No separate licence—trucks operated on intercity routes.

**Quebec:**

No separate licence—trucks with "F" licences operated outside urban areas.

**Ontario:**

No separate licence—private non-farm trucks operated outside urban areas.

**Manitoba:**

"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

**Saskatchewan:**

No separate licence—trucks with "C" or "D" licences operated outside urban areas.

**Private intercity trucks—Concluded**

**Alberta:**

"CV" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

**British Columbia:**

No separate licence—private non-farm trucks operated beyond urban areas.

**Private urban trucks**

**Atlantic provinces:**

No separate licence—trucks operated in urban areas.

**Quebec:**

No separate licence—trucks with "F" licences operated in urban areas.

**Ontario:**

No separate licence—trucks operated only in urban areas.

**Manitoba:**

"T" and "DC" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

**Saskatchewan:**

No separate licence—trucks with "C" or "D" licences operated within urban areas.

**Alberta:**

"C" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

**British Columbia:**

No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks**

**Atlantic provinces:**

Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

**Quebec:**

"N" licensed vehicles—owned and operated by a farmer.

**Ontario:**

No separate licence—trucks owned and operated by a farmer.

**Manitoba:**

"FT" licensed vehicles—trucks owned and operated by a farmer.

**Saskatchewan:**

"F" licensed vehicles—trucks owned and operated by a farmer.

**Alberta:**

"F" licensed vehicles—trucks owned and operated by a farmer.

**British Columbia:**

No separate licence—trucks owned and operated by a farmer.

## TRUCK TRAFFIC QUESTIONNAIRE

DOMINION BUREAU OF STATISTICS, OTTAWA

Transportation Section

Appendix V

See Instructions on page 6

This questionnaire is for the following vehicle only:

To be completed by all vehicle operators regardless of the purpose for which vehicle is used – and to be returned at end of Survey Week.

Please answer those sections which apply to your operations for ONE WEEK ONLY.

Serial No.

Licence No.

begin  
SUNDAY  
morning

end  
SATURDAY  
midnight

## I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☐ one):

- ☐ (a) as a common carrier  
☐ (b) as a contract carrier } for revenue earning purposes?  
☐ (c) to carry or distribute own or company goods in urban areas (within 5 miles of city or town limits)?  
☐ (d) to carry or distribute own or company goods over highways or rural roads?  
☐ (e) by a farmer to carry goods to and from the farm?  
☐ (f) for personal transportation (with no load)?

2. If you have checked ☐ either 1 (c) or 1 (d) above, please indicate below the industry or activity with which this vehicle is usually associated:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 1 Forestry      | <input type="checkbox"/> 5 Construction               | <input type="checkbox"/> 9 Services (such as laundries, radio & T.V. repair, plumbing, etc.) |
| <input type="checkbox"/> 2 Fishing       | <input type="checkbox"/> 6 Utilities or communication |  |
| <input type="checkbox"/> 3 Mining        | <input type="checkbox"/> 7 Wholesale trade            | <input type="checkbox"/> 10 Other  |
| <input type="checkbox"/> 4 Manufacturing | <input type="checkbox"/> 8 Retail trade               | Please state _____   |

3. Is this vehicle licensed in more than one province? ☐ 1 Yes ☐ 2 No

4. If yes, which provinces?
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> 1 Newfoundland         | <input type="checkbox"/> 5 Quebec       | <input type="checkbox"/> 9 Alberta           |
| <input type="checkbox"/> 2 Prince Edward Island | <input type="checkbox"/> 6 Ontario      | <input type="checkbox"/> 10 British Columbia |
| <input type="checkbox"/> 3 Nova Scotia          | <input type="checkbox"/> 7 Manitoba     | <input type="checkbox"/> 11 Yukon            |
| <input type="checkbox"/> 4 New Brunswick        | <input type="checkbox"/> 8 Saskatchewan | <input type="checkbox"/> 12 N.W.T.           |

5. Is this vehicle licensed in the United States? ☐ 1 Yes ☐ 2 No6. Model (check ☐ one)

- |  |  |                                      |   |  |
|--|--|--------------------------------------|---|--|
| <input type="checkbox"/> 1 Pickup                        | <input type="checkbox"/> 5 Station wagon | <input type="checkbox"/> 9 Van       | <input type="checkbox"/> 13 Dump            | <input type="checkbox"/> 17 Flatdeck     |
| <input type="checkbox"/> 2 Express                       | <input type="checkbox"/> 6 Jeep          | <input type="checkbox"/> 10 Platform | <input type="checkbox"/> 14 Tank            | <input type="checkbox"/> 18 Lowbed       |
| <input type="checkbox"/> 3 Panel                         | <input type="checkbox"/> 7 Utility       | <input type="checkbox"/> 11 Stake    | <input type="checkbox"/> 15 Box             | <input type="checkbox"/> 19 Auto carrier |
| <input type="checkbox"/> 4 Sedan delivery                | <input type="checkbox"/> 8 Metro         | <input type="checkbox"/> 12 Mixer    | <input type="checkbox"/> 16 Pole or logging | <input type="checkbox"/> 20 Bulk carrier |
| <input type="checkbox"/> 21 Mechanically refrigerated    |  |                                      |   |  |
| <input type="checkbox"/> 22 Other, please describe _____ |  |                                      |   |  |

7. Is this a tractor-trailer combination? ☐ 1 Yes ☐ 2 No8. Number of axles on truck or tractor-trailer combination (check ☐ one):

- ☐ 2    ☐ 3    ☐ 4    ☐ 5    ☐ 6 and over

9. What is the maximum gross weight\* of the truck or tractor-trailer combination?

\_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

10. If this vehicle was not operated during the Survey Week, please state reason:

\_\_\_\_\_



11. Gallons of fuel used during Survey Week:

- ☐ 1 Gasoline .....
- ☐ 2 Diesel .....
- ☐ 3 Other .....

gallons	
Imperial	U.S.

miles

12. Total miles travelled during Survey Week .....

(Speedometer reading at end of week minus speedometer reading at beginning of week. If speedometer is not working, please estimate total mileage for the seven day period.)

**II. URBAN OPERATIONS**

— are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported in Section III)

1. If this vehicle was used predominantly in an urban area during the Survey Week, please state the name of the city or town. ....

2. Total miles travelled in Urban Areas during Survey Week: .....

3. How many of the miles reported in 2 above were travelled with a load? .....

pounds

4. Average load carried per trip by this vehicle during the Survey Week in Urban Areas .....

5. Total weight of goods loaded in urban areas during Survey Week:

Sunday ..... pounds      Wednesday ..... pounds

Monday ..... "      Thursday ..... "

Tuesday ..... "      Friday ..... "

Saturday ..... pounds

pounds

Total .....

6. What kinds of goods did you carry? .....

7. If this vehicle is a for-hire (common or contract) carrier, what revenue was received for urban services performed during the Survey Week? ..... \$ .....

**III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS**

i.e., operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. Include urban portion of intercity or rural trips. Rural operations refer to traffic performed on public roads by farmers to and from farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip	
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines	
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm	
3. One-way mileage	350	350	23	23	
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8	
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500	
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500	
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500	
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies	
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil	
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable	
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable	
12. Day of week	Mon.	Tues.	Mon.	Mon.	

## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4	ONE-WAY TRIP NO. 5
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

INFORMATION REQUIRED	ONE-WAY TRIP NO. 6	ONE-WAY TRIP NO. 7	ONE-WAY TRIP NO. 8	ONE-WAY TRIP NO. 9
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 10	ONE-WAY TRIP NO. 11	ONE-WAY TRIP NO. 12	ONE-WAY TRIP NO. 13
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

INFORMATION REQUIRED	ONE-WAY TRIP NO. 14	ONE-WAY TRIP NO. 15	ONE-WAY TRIP NO. 16	ONE-WAY TRIP NO. 17
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				



## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 18	ONE-WAY TRIP NO. 19	ONE-WAY TRIP NO. 20	ONE-WAY TRIP NO. 21
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

INFORMATION REQUIRED	ONE-WAY TRIP NO. 22	ONE-WAY TRIP NO. 23	ONE-WAY TRIP NO. 24	ONE-WAY TRIP NO. 25
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 26	ONE-WAY TRIP NO. 27	ONE-WAY TRIP NO. 28	ONE-WAY TRIP NO. 29
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used)				
5. Weight of load on vehicle at point of departure (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

**Remarks:** Please make any comments which you think will help us to understand your report.

## INSTRUCTIONS - PLEASE READ CAREFULLY

## Identification of Vehicle

Information contained in the large rectangle on the front page identifies the particular vehicle selected for this survey by gross vehicle weight, tare weight, make, year, and licence number, etc. **N.B. Please do not substitute any other vehicle for the one indicated.**

## Method of Selection

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle.

## Tractors

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-27054 or 9-24275) or contract one of the Regional Offices listed below.

City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box 5785)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	UN 6-8008
Toronto, Ont.	36 Adelaide St. E.	EM 2-6211 (Local 2434)
Winnipeg, Man.	269 Main St., Federal Bldg.	WH 3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA 4-0251 (Local 259)
Vancouver, B.C.	Room 404, 326 Howe St.,	MU 1-5288

## Units of Measure

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

## If Vehicle did not Operate

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete questions 1 to 10 and return.

## If Vehicle Sold

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" above and return the questionnaire in the envelope provided.

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_





CATALOGUE No.

53-207

ANNUAL

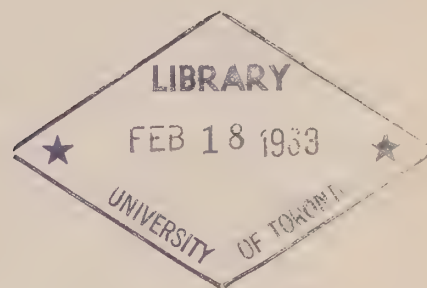


Canada. Statistics, Bureau of

MOTOR TRANSPORT TRAFFIC

NATIONAL ESTIMATES

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dealing with

**ROAD TRANSPORT**

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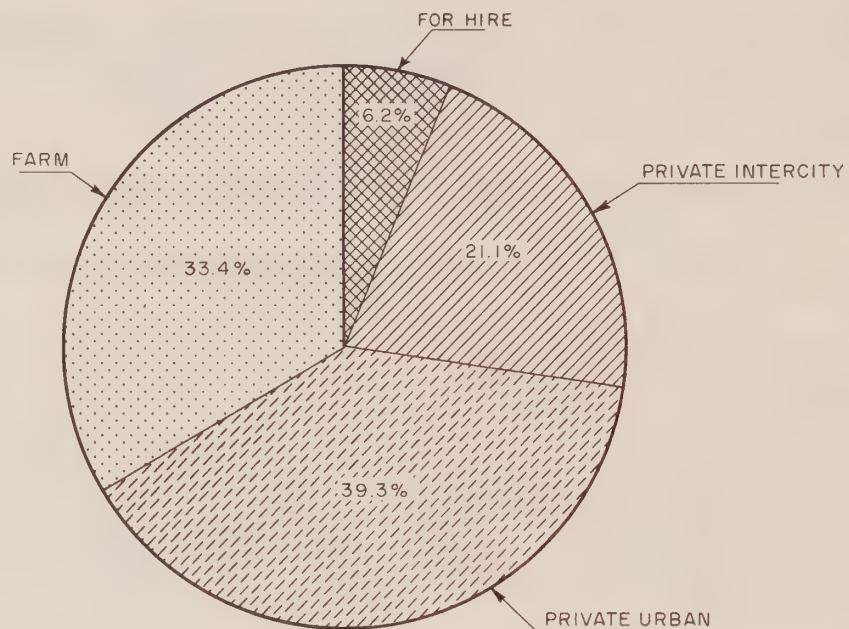
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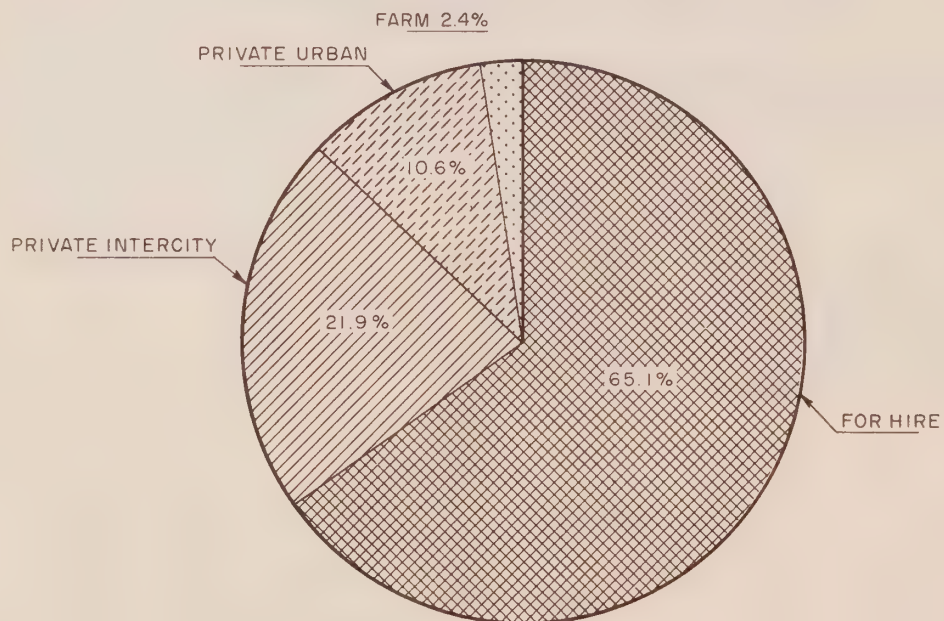
MOTOR TRANSPORT TRAFFIC  
NATIONAL ESTIMATES  
1961

CHART-1 TRUCK REGISTRATIONS BY TYPE OF OPERATION



Source: Appendix I.

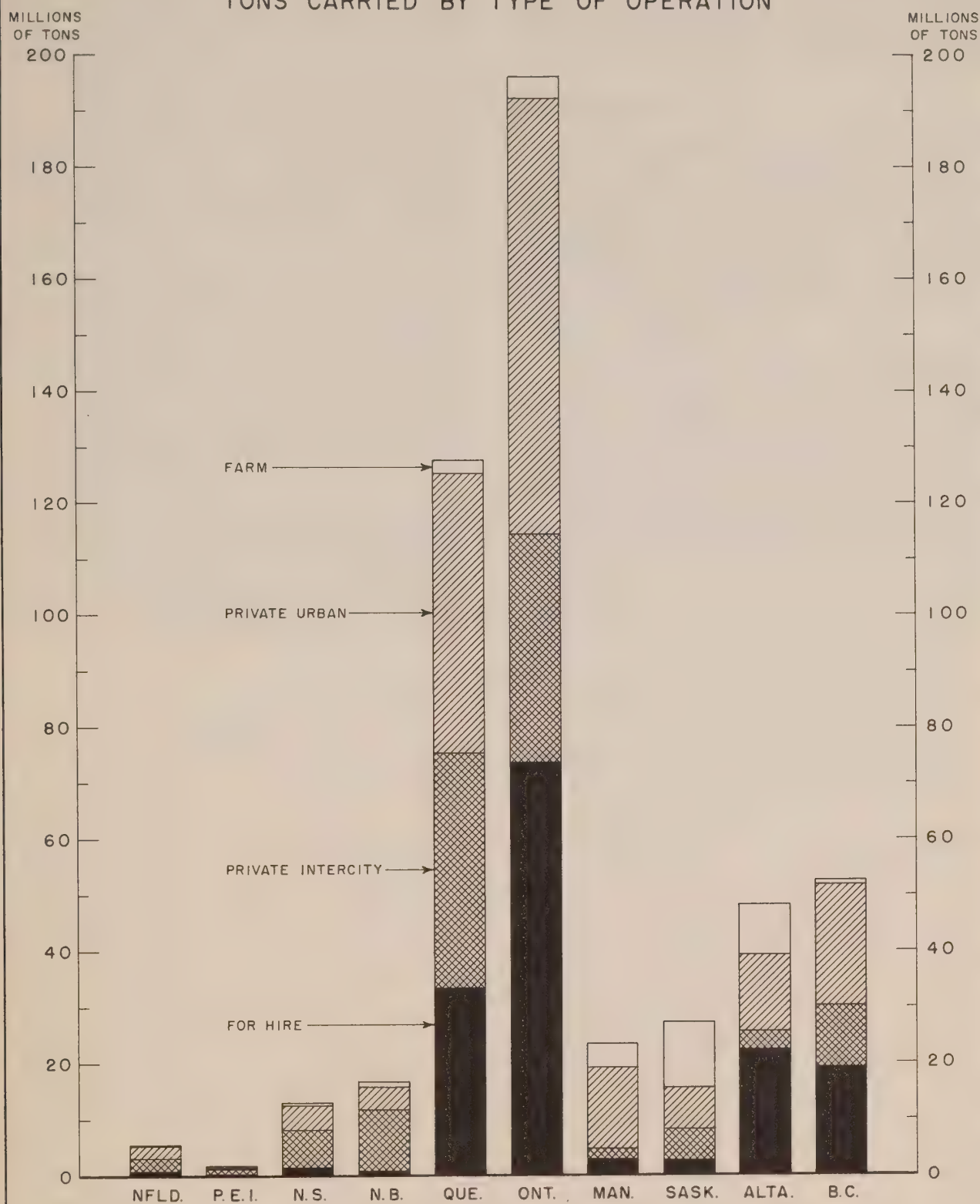
CHART-2 NET TON MILES BY TYPE OF OPERATION



Source: Section I, Table I.

CHART - 3

# TONS CARRIED BY TYPE OF OPERATION



Source: Section I, Tables 4, 7, 10 and 11.





## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1961. Truck transport statistics published in provincial and regional reports for 1961 have been summarized herein.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957. A summary table has been included in this report which provides a comparison of principal statistics by function of carrier for the years 1959, 1960 and 1961. The data contained in this table should be used only as a guide to the trends in truck traffic as methods used in estimating the traffic have been improved over the years and consequently some changes in concepts have had to be made which affect the comparability of the statistics.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity

Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics. A breakdown of the commodity groupings used in this report is presented in Appendix III.

### Sample Selection

The 1961 national estimates of motor transport traffic in Canada are based upon a sample of approximately 11 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government-owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province are as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/32	1/16	1/4	1/4	1/4	1/4
Prince Edward Island .....	1/32	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/12	1/80	1/12	1/12	1/4	1/4
New Brunswick .....	1/8	1/80	1/12	1/12	1/4	1/4
Quebec <sup>1</sup> .....	1/144	1/144	1/24	1/24	1/6	1/6
Ontario .....	1/216	1/72	1/24	1/24	1/6	1/6
Manitoba .....	1/144	1/144	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/48)	(1/48)	(1/12)	(1/12)
Saskatchewan .....	1/72	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/72)	(1/72)	(1/36)	(1/12)
Alberta .....	1/144	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/288)	(1/144)	(1/24)	(1/72)	(1/12)	(1/12)
British Columbia .....	1/144	1/72	1/24	1/24	1/6	1/6

<sup>1</sup> Vehicles in Quebec were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm

trucks are those operated by farmers primarily to transport farm produce and supplies.

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1961 population estimates and Appendix IV for the description of vehicle classifications in each province.)

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at totals. Current procedures in arriving at provincial and national totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.
3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.
4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.
6. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.
7. Annual provincial totals are added together to obtain national estimates.

### Compilation of National Estimates

#### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are intransit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements. As there is a tendency for increasing freedom of inter-provincial movement under reciprocal licensing arrangements, the amount of duplication that is due to multiple licensing may be expected to diminish over the years. A summary of reciprocal highway agreements for trucking, current at December 31, 1961, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1961, Part I, Rates and Regulations", catalogue no. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of interprovincial operations reported by each operator. As reciprocity of licensing arrangements increases, it will be necessary to reduce data collected on these operations by some proportion less than fifty per cent.



Although it was necessary to reduce inter-provincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when provincial data are added together that difficulties arise.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licenses trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix IV, which describes the vehicle classifications used in this report, will reveal these variations.

#### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1961 appears in Appendix V.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the average load carried during the week was calculated and then multiplied by the number of miles travelled with a load to obtain net ton miles.

Average distance each ton was carried—total net ton miles divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel)—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by total miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during the year divided by the estimated annual truck population.

Capacity ton miles—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by the estimated annual truck population.

Percentage of capacity utilized—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

Gross ton miles—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for vehicles in Quebec which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by estimated annual truck population.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 to 1960.

#### Review of Survey Results

The estimated population of trucks and road tractors performing transportation services in Canada during the year rose 3.7 per cent to 942,900 from 909,400 in 1960. Of these 58,306 or 6.2 per cent were for hire vehicles; 198,804 or 21.1 per cent were private intercity vehicles; 370,942 or 39.3

per cent were private vehicles operating wholly within urban areas; and 314,848 or 33.4 per cent were farm trucks. Almost one third of the total number of trucks were registered in Ontario and one half were registered in the two provinces of Quebec and Ontario.



In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected, it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

### **Section I. Total Truck Traffic by Canadian Registered Trucks**

Total miles travelled by transport trucks and road tractors increased by 7.7 per cent to 6,761 million in 1961 from 6,278 million in 1960 and the average mileage per truck rose to 7,200 miles from 6,900 in the previous year. The average distance each ton of goods was carried increased to 35.2 miles from 32.6 and the proportion of empty miles was constant at one half.

Gasoline consumption was 669,402,000 gallons in 1961 an increase of 9.8 per cent over the 609,432,000 gallons reported in 1960. Diesel fuel consumption was up 22.6 per cent in 1961 to 94,126,000 gallons from 76,776,000 gallons in the previous year.

The total weight of goods carried by all trucks increased between the two years to 511,709,000 tons from 478,702,000 tons and the average weight carried increased to 5.2 tons from 5.0. With the increase in loaded miles travelled and tons of goods carried the total net ton miles performed rose by 15.3 per cent to 17,996,048,000 from 15,602,184,000 in 1960 and the average net ton miles per truck increased by 11.0 per cent.

Trucks with a gross vehicle weight of 20,001 lb. and over comprised approximately one eighth of the total truck population in 1961. However these

vehicles had an average yearly mileage of almost 19,000 miles, an average load of 10.8 tons and travelled empty only 31.8 per cent of the time. Consequently these heavier trucks performed 87.9 per cent of the road transportation services of the country measured in terms of net ton miles.

Charts 1 and 2 indicate that for hire trucks and road tractors, which represented only 6.2 per cent of total registrations, performed 65.1 per cent of truck transport net ton miles. For hire vehicles carried an average load of 10.8 tons compared with an average of 5.2 tons for trucks of all types and transported each ton an average distance of 74.8 miles as against 35.2 miles for all four categories of trucks.

### **Section II. Interprovincial and International Traffic by Canadian Registered Trucks**

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 5,045,000 tons of goods, of which 32 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 2,026,000 tons of goods between provinces, of which 26 per cent was moved between Quebec and Ontario.

### **Appendix II**

During 1961, survey questionnaires were mailed to the owners or operators of 104,434 motor vehicles. Of this number 43,479 were returned completed and 30,070 trucks were reported not used during the

survey week. The remaining 30,885 were either returned incomplete and unusable or not returned at all.

December 17, 1962.

## Comparative summary of total traffic of all trucks by type of operation, 1959-61

	Estimated annual population	Mileage			Fuel			Weight of goods carried	
		Total mileage travelled	Average distance each ton was carried	Percentage of total mileage travelled empty	Total gallons consumed			Total tons of goods carried	Average weight carried
					Gasoline	Diesel	Other		
		'000	miles		'000	'000	'000	'000	tons
<b>For hire:</b>									
1959 .....	54,495	1,380,390	72.6	25.6	159,504	68,777	154	145,413	10.3
1960 .....	55,016	1,348,359	68.9	26.4	160,823	65,390	238	144,912	10.1
1961 .....	58,306	1,486,180	74.8	26.7	178,707	78,454	79	156,712	10.8
<b>Private intercity:</b>									
1959 .....	211,315	2,214,127	25.4	59.3	204,747	9,351	444	136,883	3.9
1960 .....	185,919	1,861,885	28.2	57.1	182,396	10,021	598	120,287	4.2
1961 .....	198,804	2,126,373	31.4	56.2	211,711	13,870	628	125,756	4.2
<b>Private urban:</b>									
1959 .....	317,782	1,947,205	10.0	49.5	173,709	1,233	—	154,628	1.6
1960 .....	361,845	2,104,531	9.9	51.9	190,230	1,365	—	176,967	1.7
1961 .....	370,942	2,224,047	9.7	51.4	206,197	1,802	—	196,146	1.8
<b>Farm:</b>									
1959 .....	304,883	890,368	13.8	67.5	69,037	—	—	26,843	1.3
1960 .....	306,620	963,336	12.9	66.0	75,983	—	—	36,536	1.4
1961 .....	314,848	923,917	13.3	63.5	72,787	—	—	33,095	1.3
<b>All trucks:</b>									
1959 .....	888,475	6,432,090	34.4	50.2	606,997	79,361	598	463,767	5.0
1960 .....	909,400	6,278,111	32.6	50.1	609,432	76,776	836	478,702	5.0
1961 .....	942,900	6,760,517	35.2	49.1	669,402	94,126	707	511,709	5.2
	Net ton miles		Capacity ton miles		Gross ton miles	Revenue			
	Total net ton miles performed	Average net ton miles per truck	Total capacity ton miles	Percentage of capacity utilized		Total revenue	Revenue per ton mile	Average revenue per truck	
	'000		'000		'000	\$'000	\$	\$	
<b>For hire:</b>									
1959 .....	10,553,130	193,700	18,291,058	57.7	21,447,166	679,600	6.4	12,500	
1960 .....	9,984,777	181,500	17,576,454	56.8	22,426,938	657,862	6.6	12,000	
1961 .....	11,716,288	200,900	20,539,624	57.0	26,234,097	722,664	6.2	12,400	
<b>Private intercity:</b>									
1959 .....	3,472,685	16,400	9,047,371	38.4	10,864,735	—	—	—	
1960 .....	3,386,830	18,200	8,474,129	40.0	10,145,099	—	—	—	
1961 .....	3,944,344	19,800	9,816,305	40.2	11,762,936	—	—	—	
<b>Private urban:</b>									
1959 .....	1,540,177	4,800	4,584,913	33.6	6,369,107	—	—	—	
1960 .....	1,759,002	4,900	5,113,859	34.4	7,111,042	—	—	—	
1961 .....	1,896,802	5,100	5,511,863	34.4	7,630,203	—	—	—	
<b>Farm:</b>									
1959 .....	371,541	1,200	1,556,886	23.9	2,298,390	—	—	—	
1960 .....	471,575	1,500	1,737,333	27.1	2,619,522	—	—	—	
1961 .....	438,614	1,400	1,645,921	26.6	2,495,266	—	—	—	
<b>All trucks:</b>									
1959 .....	15,937,533	17,900	33,480,228	47.6	40,979,398	—	—	—	
1960 .....	15,602,184	17,200	32,901,775	47.4	42,302,601	—	—	—	
1961 .....	17,996,048	19,100	37,513,713	48.0	48,122,502	—	—	—	





TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	67,290	28,568	220,333	174,189	1,550,813	2,357,276
Average yearly mileage per truck .....	5,600	4,500	7,100	7,500	8,700	8,100
Average distance each ton was carried .....	8.6	16.1	21.7	19.3	28.1	35.7
Percentage of total mileage travelled empty .....	62.8	66.9	60.4	54.1	42.6	46.9
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	5,727	2,371	21,546	17,822	155,003	254,543
Miles per gallon of gasoline .....	11.8	12.0	10.1	9.5	9.3	8.6
Total gallons of diesel oil consumed ..... '000	—	—	336	851	17,594	27,367
Miles per gallon of diesel oil .....	—	—	5.9	6.0	5.9	5.8
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	5,473	1,531	13,063	16,689	127,484	196,095
Average weight carried ..... ton	1.9	2.6	3.2	4.0	4.0	5.6
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	47,122	24,673	283,129	322,557	3,581,966	6,991,223
Average net ton miles per truck .....	3,900	3,900	9,100	13,900	20,200	23,900
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	146,771	63,942	745,435	756,643	8,005,005	14,600,231
Average capacity ton miles per truck .....	12,200	10,000	24,000	32,600	45,000	50,000
Percentage of capacity utilized .....	32.1	38.6	38.0	42.6	44.7	47.9
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	206,832	86,708	973,516	956,826	9,432,110	18,530,547
Average gross ton miles per truck .....	17,200	13,500	31,300	41,200	53,100	63,400
Estimated annual population .....	12,000	6,400	31,100	23,200	177,700	292,300
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	382,585	455,172	873,207	651,084	6,760,517	
Average yearly mileage per truck .....	6,000	4,200	6,900	6,400	7,200	
Average distance each ton was carried .....	48.7	38.2	58.9	32.8	35.2	
Percentage of total mileage travelled empty .....	49.0	57.0	50.1	58.2	49.1	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	35,148	42,618	77,390	57,234	669,402	
Miles per gallon of gasoline .....	9.5	9.8	9.6	10.0	9.3	
Total gallons of diesel oil consumed ..... '000	8,157	6,050	20,547	13,224	94,126	
Miles per gallon of diesel oil .....	5.9	6.0	6.0	5.9	5.9	
Total gallons of other fuel consumed ..... '000	—	—	580	127	707	
Miles per gallon of other fuel .....	—	—	6.9	5.5	6.7	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	23,503	27,190	48,234	52,447	511,709	
Average weight carried ..... ton	5.9	5.3	6.6	6.3	5.2	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,144,034	1,037,547	2,843,099	1,720,698	17,996,048	
Average net ton miles per truck .....	18,000	9,600	22,400	16,900	19,100	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	2,155,275	2,317,944	5,125,772	3,596,695	37,513,713	
Average capacity ton miles per truck .....	33,900	21,500	40,300	35,300	39,800	
Percentage of capacity utilized .....	53.1	44.8	55.5	47.8	48.0	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	3,028,914	3,043,403	7,175,517	4,688,129	48,122,502	
Average gross ton miles per truck .....	47,700	28,300	56,500	46,000	51,000	
Estimated annual population .....	63,500	107,700	127,100	101,900	942,900	

TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	2,938	818	13,176	13,281	301,145	587,831
Average yearly mileage per truck .....	6,000	10,200	14,600	25,300	20,300	27,600
Average distance each ton was carried .....	7.6	96.2	55.1	143.0	56.6	63.5
Percentage of total mileage travelled empty .....	39.8	30.7	26.7	29.0	25.2	27.2
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	358	115	1,806	1,415	34,950	83,812
Miles per gallon of gasoline .....	8.2	7.1	6.2	5.8	6.5	5.4
Total gallons of diesel oil consumed ..... '000	—	—	336	851	12,174	23,073
Miles per gallon of diesel oil .....	—	—	5.9	6.0	6.0	5.8
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	840	35	1,358	755	33,096	73,702
Average weight carried ..... ton	3.6	6.0	7.7	11.4	8.3	10.9
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	6,404	3,383	74,829	107,970	1,874,685	4,676,887
Average net ton miles per truck .....	13,000	42,300	82,700	205,700	128,700	219,500
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	14,445	6,596	145,201	183,803	3,511,987	8,566,653
Average capacity ton miles per truck .....	29,400	82,500	160,400	350,100	237,300	402,100
Percentage of capacity utilized .....	44.3	51.3	51.5	58.7	53.4	54.6
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	17,610	8,355	190,139	233,474	3,989,679	10,662,433
Average gross ton miles per truck .....	35,900	104,400	210,100	444,700	269,600	500,500
<b>Revenue:</b>						
Total revenue ..... \$'000	1,990	437	7,450	6,659	157,006	292,802
Revenue per ton mile ..... ¢	31.1	12.9	10.0	6.2	8.4	6.3
Revenue per mile (total mileage travelled) ..... ¢	67.7	53.4	56.5	50.1	52.1	49.8
Average revenue per truck ..... \$	4,100	5,500	8,200	12,700	10,600	13,700
Estimated annual population .....	491	80	905	525	14,800	21,305
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	84,415	79,187	273,491	129,898	1,486,180	
Average yearly mileage per truck .....	52,800	46,600	25,600	21,000	25,500	
Average distance each ton was carried .....	290.7	244.1	109.8	55.1	74.8	
Percentage of total mileage travelled empty .....	19.5	31.3	26.8	29.1	26.7	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	7,396	9,237	26,913	12,705	178,707	
Miles per gallon of gasoline .....	5.2	5.3	5.7	5.8	6.0	
Total gallons of diesel oil consumed ..... '000	7,635	5,004	19,924	9,457	78,454	
Miles per gallon of diesel oil .....	6.0	6.0	6.0	6.0	5.9	
Total gallons of other fuel consumed ..... '000	—	—	79	—	79	
Miles per gallon of other fuel .....	—	—	5.5	—	5.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	2,862	2,605	22,292	19,167	156,712	
Average weight carried ..... ton	12.2	11.7	12.2	11.5	10.8	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	831,927	635,824	2,447,489	1,056,890	11,716,288	
Average net ton miles per truck .....	520,000	374,000	228,700	170,500	200,900	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	1,267,419	1,127,420	3,835,708	1,880,392	20,539,624	
Average capacity ton miles per truck .....	792,100	663,200	358,500	303,300	352,300	
Percentage of capacity utilized .....	65.6	56.4	63.8	56.2	57.0	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	1,842,075	1,483,882	5,356,213	2,450,237	26,234,097	
Average gross ton miles per truck .....	1,151,300	872,900	500,600	395,200	449,900	
<b>Revenue:</b>						
Total revenue ..... \$'000	39,392	31,733	100,636	84,559	722,664	
Revenue per ton mile ..... ¢	4.7	5.0	4.1	8.0	6.2	
Revenue per mile (total mileage travelled) ..... ¢	46.7	40.1	36.8	65.1	48.6	
Average revenue per truck ..... \$	24,600	18,700	9,400	13,600	12,400	
Estimated annual population .....	1,600	1,700	10,700	6,200	58,306	

TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	13,988	132,130	307,101	2.3	22.0	80,078	26.1	17,547
20,001-30,000 lb. ....	60,649	176,266	978,192	5.5	16.1	107,715	11.0	16,827
30,001-50,000 lb. ....	39,222	209,717	1,858,488	8.9	47.4	169,152	9.1	10,653
50,001 lb. and over .....	42,853	570,833	8,572,507	15.0	200.0	365,719	4.3	13,279
<b>Totals .....</b>	<b>156,712</b>	<b>1,088,946</b>	<b>11,716,288</b>	<b>10.8</b>	<b>74.8</b>	<b>722,664</b>	<b>6.2</b>	<b>58,306</b>

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	2,078	33,547	252,263	7.5	121.4	16,637	6.6
Food, feed, beverages and tobacco .....	15,611	223,632	2,354,938	10.5	150.9	108,934	4.6
Crude materials, inedible .....	73,509	94,243	1,093,942	11.6	14.9	62,491	5.7
Fabricated materials, inedible .....	29,395	176,507	2,550,876	14.5	86.8	130,724	5.1
End products, inedible .....	10,339	206,721	1,624,286	7.9	157.1	155,198	9.6
General freight .....	25,780	354,296	3,839,983	10.8	149.0	248,680	6.5
<b>Totals .....</b>	<b>156,712</b>	<b>1,088,946</b>	<b>11,716,288</b>	<b>10.8</b>	<b>74.8</b>	<b>722,664</b>	<b>6.2</b>

TABLE 7. Private Intercity Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled .....	'000 37,010	16,671	135,743	104,042	468,899	785,224	45,991	111,444	207,806	213,543	2,126,373
Average yearly mileage per truck .....	6,100	5,600	8,500	8,700	13,500	11,300	15,900	11,700	10,600	8,300	10,700
Average distance each ton was carried .....	11.4	16.3	24.6	15.1	25.9	37.8	54.7	38.1	44.6	42.8	31.4
Percentage of total mileage travelled empty .....	69.5	69.2	63.7	61.0	53.3	50.7	43.4	59.5	62.5	67.2	56.2
<b>Fuel:</b>											
Total gallons of gasoline consumed .....	'000 3,079	1,437	13,546	11,044	50,303	81,355	5,120	10,948	16,831	18,048	211,711
Miles per gallon of gasoline .....	12.0	11.6	10.0	9.4	8.9	9.4	8.5	9.6	11.9	10.6	9.6
Total gallons of diesel oil consumed .....	'000 —	—	—	—	3,749	4,294	391	1,046	623	3,767	13,870
Miles per gallon of diesel oil .....	—	—	—	—	5.7	5.6	5.8	6.1	6.0	5.7	5.7
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	—	—	—	501	127	628
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	7.2	5.5	6.8
<b>Weight of goods carried:</b>											
Total tons of goods carried .....	'000 2,255	1,122	6,704	11,038	42,176	40,732	1,866	5,545	3,409	10,909	125,756
Average weight carried .....	ton 2.3	3.6	3.4	4.1	5.0	4.0	3.9	4.7	2.0	6.7	4.2
<b>Net ton miles:</b>											
Total net ton miles performed .....	'000 25,815	18,263	165,085	167,111	1,093,888	1,541,403	102,005	211,452	152,201	467,121	3,944,344
Average net ton miles per truck .....	4,200	6,100	10,300	14,000	31,500	22,300	35,200	22,200	7,700	18,200	19,800
<b>Capacity ton miles:</b>											
Total capacity ton miles .....	'000 82,352	44,529	462,827	429,920	2,650,041	3,797,740	252,464	522,344	514,010	1,060,078	9,816,305
Average capacity ton miles per truck .....	13,500	14,900	28,900	36,000	76,400	54,800	87,100	54,700	26,100	41,200	49,400
Percentage of capacity utilized .....	31.3	41.0	35.7	38.9	41.3	40.6	40.4	40.5	29.6	44.1	40.2
<b>Gross ton miles:</b>											
Total gross ton miles .....	'000 113,439	57,060	572,768	515,223	2,878,281	4,665,518	307,592	645,910	691,513	1,315,632	11,762,936
Average gross ton miles per truck .....	18,700	19,100	35,800	43,100	83,000	67,300	106,100	67,700	35,200	51,200	59,200
Estimated annual population ..	6,079	2,983	16,001	11,950	34,684	69,283	2,900	9,542	19,664	25,718	198,804



TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	6,211	399,824	207,605	0.5	33.4	139,831
10,001-20,000 lb. ....	26,229	192,348	550,509	2.9	21.0	28,845
20,001-30,000 lb. ....	43,071	162,843	910,913	5.6	21.1	18,416
30,001-50,000 lb. ....	29,475	84,191	794,340	9.4	26.9	7,420
50,001 lb. and over .....	20,770	92,046	1,480,977	16.1	71.3	4,292
<b>Totals .....</b>	<b>125,756</b>	<b>931,252</b>	<b>3,944,344</b>	<b>4.2</b>	<b>31.4</b>	<b>198,804</b>

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton
	'000 tons	'000	'000	tons	miles
Live animals .....	855	17,859	67,165	3.8	78.6
Food, feed, beverages and tobacco .....	15,557	292,595	1,025,478	3.5	65.9
Crude materials, inedible .....	65,659	105,611	901,960	8.5	13.7
Fabricated materials, inedible .....	32,711	163,875	1,229,789	7.5	37.6
End products, inedible .....	6,430	246,099	475,044	1.9	73.9
General freight .....	4,544	105,213	244,908	2.3	53.9
<b>Totals .....</b>	<b>125,756</b>	<b>931,252</b>	<b>3,944,344</b>	<b>4.2</b>	<b>31.4</b>

TABLE 10. Private Urban Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	24,584	4,678	47,677	44,763	657,216	797,544	173,830	64,434	140,268	269,053	2,224,047
Average yearly mileage per truck .....	5,000	4,100	5,300	6,100	7,500	5,700	6,800	5,100	5,700	4,600	6,000
Average distance each ton was carried .....	6.1	6.6	7.6	9.2	11.6	9.2	11.4	7.3	7.9	8.6	9.7
Percentage of total mileage travelled empty .....	55.5	56.1	59.3	45.9	38.9	53.1	58.7	62.9	61.7	62.8	51.4
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2,091	364	4,293	4,347	60,395	75,720	16,389	6,065	12,918	23,615	206,197
Miles per gallon of gasoline .....	11.8	12.8	11.1	10.3	10.7	10.5	10.6	10.6	10.9	11.4	10.7
Total gallons of diesel oil consumed ..... '000	—	—	—	—	1,671	—	131	—	—	—	1,802
Miles per gallon of diesel oil .....	—	—	—	—	5.1	—	3.9	—	—	—	5.0
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried.. '000	2,352	162	4,578	4,155	49,906	77,891	14,369	7,476	13,626	21,631	196,146
Average weight carried ..... ton	1.3	0.5	1.8	1.6	1.4	1.9	2.3	2.3	2.0	1.9	1.8
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	14,240	1,075	35,013	38,331	577,270	719,357	163,394	54,421	107,012	186,689	1,896,802
Average net ton miles per truck .....	2,900	900	3,900	5,300	6,600	5,200	6,400	4,300	4,400	3,200	5,100
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	46,836	5,244	104,309	116,372	1,685,179	1,993,231	472,886	164,676	321,549	601,581	5,511,863
Average capacity ton miles per truck .....	9,500	4,500	11,600	16,000	19,200	14,300	18,400	13,100	13,100	10,300	14,900
Percentage of capacity utilized .....	30.4	20.5	33.6	32.9	34.3	36.1	34.6	33.0	33.3	31.0	34.4
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	69,957	8,960	153,105	168,267	2,294,927	2,790,084	643,893	222,337	444,524	834,149	7,630,203
Average gross ton miles per truck .....	14,200	7,800	17,100	23,100	28,100	20,000	25,100	17,700	18,100	14,200	20,600
Estimated annual population ..	4,921	1,154	8,962	7,289	87,816	139,398	25,700	12,558	24,536	58,608	370,942

TABLE 11. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	2,758	6,401	23,737	12,103	123,553	186,677	78,349	200,107	251,642	38,590	923,917
Average yearly mileage per truck .....	5,400	2,900	4,500	3,500	3,100	3,000	2,400	2,400	3,500	3,400	2,900
Average distance each ton was carried .....	28.1	9.2	19.4	12.3	15.7	14.2	10.6	11.7	15.3	13.5	13.3
Percentage of total mileage travelled empty .....	63.2	73.4	62.2	53.1	64.6	66.5	62.3	64.0	59.6	73.3	63.5
<b>Fuel:</b>											
Total gallons of gasoline consumed..... '000	199	455	1,901	1,016	9,355	13,656	6,243	16,368	20,728	2,866	72,787
Miles per gallon of gasoline .....	13.9	14.1	12.5	11.9	13.2	13.7	12.5	12.2	12.1	13.5	12.7
Total gallons of diesel oil consumed..... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
Total gallons of other fuel consumed..... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	26	212	423	741	2,306	3,770	4,406	11,564	8,907	740	33,095
Average weight carried..... ton	0.7	1.1	0.9	1.6	0.8	0.9	1.6	1.9	1.3	1.0	1.3
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	663	1,952	8,202	9,145	36,123	53,576	46,708	135,850	136,397	9,998	438,614
Average net ton miles per truck .....	1,300	900	1,600	2,700	900	900	1,400	1,600	1,900	900	1,400
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	3,138	7,573	33,098	26,548	157,798	242,607	162,506	503,504	454,505	54,644	1,645,921
Average capacity ton miles per truck.....	6,200	3,500	6,300	7,700	3,900	3,900	4,900	6,000	6,300	4,800	5,200
Percentage of capacity utilized .....	21.1	25.8	24.8	34.5	22.9	22.1	28.7	27.0	30.0	18.3	26.6
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	5,826	12,333	57,504	39,862	269,223	412,512	235,354	691,274	683,267	88,111	2,495,266
Average gross ton miles per truck .....	11,400	5,600	11,000	11,600	6,700	6,600	7,100	8,200	9,500	7,700	7,900
Estimated annual population .....	509	2,183	5,232	3,436	40,400	62,314	33,300	83,900	72,200	11,374	314,848

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1961

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
<b>From:</b>										
Atlantic Provinces.....	—	42	4	—	—	—	—	—	9	55
Quebec.....	54	—	762	6	—	61	2	—	163	1,048
Ontario.....	12	842	—	128	40	152	24	—	277	1,475
Manitoba.....	—	5	169	—	162	74	11	—	4	425
Saskatchewan.....	—	2	9	310	—	51	—	—	—	372
Alberta.....	—	64	108	57	118	—	236	49	15	647
British Columbia.....	—	—	15	12	39	179	—	14	112	371
Yukon and Northwest Territories.....	—	—	—	—	—	7	1	—	—	8
United States.....	14	127	357	16	1	19	110	—	—	644
<b>Totals .....</b>	<b>80</b>	<b>1,082</b>	<b>1,424</b>	<b>529</b>	<b>360</b>	<b>543</b>	<b>384</b>	<b>63</b>	<b>580</b>	<b>5,045</b>
<b>Private intercity</b>										
'000 tons										
<b>From:</b>										
Atlantic Provinces.....	—	17	—	—	—	—	—	—	148	165
Quebec.....	20	—	308	—	1	—	—	—	61	390
Ontario.....	1	212	—	9	1	—	2	—	174	399
Manitoba.....	—	—	33	—	24	2	—	—	9	68
Saskatchewan.....	—	1	2	23	—	11	—	—	6	43
Alberta.....	—	—	—	3	20	—	47	5	4	79
British Columbia.....	—	—	5	—	3	35	—	50	54	147
Yukon and Northwest Territories.....	—	—	—	—	—	2	12	—	—	14
United States.....	20	188	227	11	—	4	271	—	—	721
<b>Totals .....</b>	<b>41</b>	<b>418</b>	<b>575</b>	<b>46</b>	<b>49</b>	<b>54</b>	<b>332</b>	<b>55</b>	<b>456</b>	<b>2,026</b>

TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	82	3,779	16,264	4.3	198.3	2,211	13.6
30,001-50,000 lb. ....	914	44,325	392,505	8.9	429.4	28,301	7.2
50,001 lb. and over .....	4,049	162,535	2,571,542	15.8	635.1	75,932	3.0
<b>Totals</b> .....	<b>5,045</b>	<b>210,639</b>	<b>2,980,311</b>	<b>14.1</b>	<b>590.7</b>	<b>106,444</b>	<b>3.6</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	154	15,645	20,164	1.3	130.9		
20,001-30,000 lb. ....	338	5,113	33,609	6.6	99.4		
30,001-50,000 lb. ....	358	7,381	68,238	9.2	190.6		
50,001 lb. and over .....	1,176	18,591	292,930	15.8	249.1		
<b>Totals</b> .....	<b>2,026</b>	<b>46,730</b>	<b>414,941</b>	<b>8.9</b>	<b>204.8</b>		

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	110	4,207	50,590	12.0	459.9	1,591	3.1
Food, feed, beverages and tobacco .....	919	47,987	731,364	15.2	795.8	18,344	2.5
Crude materials, inedible .....	254	8,030	126,204	15.7	496.9	3,460	2.7
Fabricated materials, inedible .....	1,495	28,748	461,841	16.1	308.9	17,479	3.8
End products, inedible .....	833	49,009	470,994	9.6	565.4	29,694	6.3
General freight .....	1,434	72,658	1,139,318	15.7	794.5	35,876	3.1
<b>Totals</b> .....	<b>5,045</b>	<b>210,639</b>	<b>2,980,311</b>	<b>14.1</b>	<b>590.7</b>	<b>106,444</b>	<b>3.6</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals .....	36	1,763	13,595	7.7	377.6		
Food, feed, beverages and tobacco .....	350	13,281	124,354	9.4	355.3		
Crude materials, inedible .....	782	4,451	63,806	14.3	81.6		
Fabricated materials, inedible .....	624	7,954	109,757	13.8	175.9		
End products, inedible .....	170	12,352	65,684	5.3	386.4		
General freight .....	64	6,929	37,745	5.4	589.8		
<b>Totals</b> .....	<b>2,026</b>	<b>46,730</b>	<b>414,941</b>	<b>8.9</b>	<b>204.8</b>		



## Appendix I

## Estimated Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Group, 1961

Type of operation and gross vehicle weight	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>For hire:</b>												
0- 5,000 lb. ....					63	448	219	—	—	217	86	1,033
5,001-10,000 " .....					326	2,414	753	—	78	370	600	4,541
10,001-15,000 " .....					367	2,351	1,026	49	26	289	359	4,467
15,001-20,000 " .....	1	1	1	1	326	2,562	2,379	226	71	1,371	571	7,506
20,001-30,000 " .....					379	2,728	6,994	245	325	4,315	1,841	16,827
30,001-50,000 " .....					282	2,706	3,055	407	627	2,163	1,413	10,653
50,001 lb. and over .....					258	1,591	6,879	673	573	1,975	1,330	13,279
<b>Totals .....</b>	<b>491</b>	<b>80</b>	<b>905</b>	<b>525</b>	<b>2,001</b>	<b>14,800</b>	<b>21,305</b>	<b>1,600</b>	<b>1,700</b>	<b>10,700</b>	<b>6,200</b>	<b>58,306</b>
<b>Private — Intercity:</b>												
0- 5,000 lb. ....					6,916	6,892	34,871	—	4,215	10,440	10,829	74,163
5,001-10,000 " .....					21,151	13,004	12,896	1,665	1,811	5,352	9,789	65,668
10,001-15,000 " .....					1,707	2,853	3,443	249	495	915	1,138	10,800
15,001-20,000 " .....	1	1	1	1	4,112	3,256	7,046	352	824	1,598	857	18,045
20,001-30,000 " .....					2,605	4,845	6,902	336	1,365	953	1,410	18,416
30,001-50,000 " .....					390	2,884	2,096	193	606	258	993	7,420
50,001 lb. and over .....					132	950	2,029	105	226	148	702	4,292
<b>Totals .....</b>	<b>6,079</b>	<b>2,983</b>	<b>16,001</b>	<b>11,950</b>	<b>37,013</b>	<b>34,684</b>	<b>69,283</b>	<b>2,900</b>	<b>9,542</b>	<b>19,664</b>	<b>25,718</b>	<b>198,804</b>
<b>Urban:</b>												
0- 5,000 lb. ....					4,818	22,940	82,788	5,158	7,148	14,940	27,329	165,121
5,001-10,000 " .....					12,713	42,392	30,378	14,022	2,695	4,290	22,494	128,984
10,001-15,000 " .....					1,919	7,416	7,797	1,439	593	767	2,562	22,493
15,001-20,000 " .....	1	1	1	1	1,879	5,595	8,574	2,713	810	2,226	2,240	24,037
20,001-30,000 " .....					800	5,401	6,304	1,268	897	1,461	2,410	18,541
30,001-50,000 " .....					197	4,072	3,557	1,100	415	852	1,573	11,766
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>4,921</b>	<b>1,154</b>	<b>8,962</b>	<b>7,289</b>	<b>22,326</b>	<b>87,816</b>	<b>139,398</b>	<b>25,700</b>	<b>12,558</b>	<b>24,536</b>	<b>58,608</b>	<b>370,942</b>
<b>Farm:</b>												
0- 5,000 lb. ....					2,101	19,553	47,308	2,254	16,400	34,775	5,466	127,857
5,001-10,000 " .....					8,159	18,157	12,377	23,126	36,900	19,796	4,269	122,784
10,001-15,000 " .....					558	2,022	1,093	4,173	10,903	3,243	996	22,988
15,001-20,000 " .....	1	1	1	1	432	579	1,048	3,088	12,112	11,949	468	29,676
20,001-30,000 " .....					110	89	480	578	7,327	2,376	159	11,119
30,001-50,000 " .....					—	—	8	81	258	61	16	424
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>509</b>	<b>2,183</b>	<b>5,232</b>	<b>3,436</b>	<b>11,360</b>	<b>40,400</b>	<b>62,314</b>	<b>33,300</b>	<b>83,900</b>	<b>72,200</b>	<b>11,374</b>	<b>314,848</b>
<b>All trucks:</b>												
0- 5,000 lb. ....					13,898	49,833	165,186	7,412	27,763	60,372	43,710	368,174
5,001-10,000 " .....					42,349	75,967	56,404	38,813	41,484	29,808	37,152	321,977
10,001-15,000 " .....					4,551	14,642	13,359	5,910	12,017	5,214	5,055	60,748
15,001-20,000 " .....	1	1	1	1	6,749	11,992	19,047	6,379	13,817	17,144	4,136	79,264
20,001-30,000 " .....					3,894	13,063	20,680	2,427	9,914	9,105	5,820	64,903
30,001-50,000 " .....					869	9,662	8,716	1,781	1,906	3,334	3,995	30,263
50,001 lb. and over .....					390	2,541	8,908	778	799	2,123	2,032	17,571
<b>Totals .....</b>	<b>12,000</b>	<b>6,400</b>	<b>31,100</b>	<b>23,200</b>	<b>72,700</b>	<b>177,700</b>	<b>292,300</b>	<b>63,500</b>	<b>107,700</b>	<b>127,100</b>	<b>101,900</b>	<b>942,900</b>

<sup>1</sup> Population estimates by gross vehicle weight group are not considered sufficiently reliable.

## Appendix II

## Survey Response, by Type of Operation and Province, 1961

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	252	51	436	351	4,250	8,711	778	992	4,708	2,198	22,727
Private:											
Intercity .....	1,866	873	2,437	2,005	5,398	10,534	577	1,818	1,784	2,855	30,147
Urban .....	1,770	367	1,482	1,289	8,279	12,568	2,774	1,857	2,444	4,854	37,684
Farm .....	92	581	318	466	1,217	2,429	1,399	3,399	3,088	887	13,876
Totals .....	3,980	1,872	4,673	4,111	19,144	34,242	5,528	8,066	12,024	10,794	104,434
Number of questionnaires returned completed											
For hire .....	93	16	169	154	2,341	4,326	431	509	1,516	1,146	10,701
Private:											
Intercity .....	690	202	961	752	2,367	4,848	352	689	816	1,085	12,762
Urban .....	646	87	588	481	3,550	5,653	1,067	741	913	1,889	15,615
Farm .....	34	140	131	125	445	1,064	352	839	964	307	4,401
Totals .....	1,463	445	1,849	1,512	8,703	15,891	2,202	2,778	4,209	4,427	43,479
Number of sampled trucks reported not in use during survey week											
For hire .....	83	15	157	86	746	2,124	140	201	1,356	496	5,404
Private:											
Intercity .....	605	276	767	597	1,385	2,932	114	614	588	853	8,731
Urban .....	567	112	439	369	2,055	3,534	842	605	761	1,495	10,779
Farm .....	28	174	87	146	325	668	658	1,525	1,243	302	5,156
Totals .....	1,283	577	1,450	1,198	4,511	9,238	1,754	2,943	3,948	3,146	30,070
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	76	20	110	111	1,163	2,261	207	282	1,836	556	6,622
Private:											
Intercity .....	571	395	709	656	1,646	2,754	111	515	380	917	8,654
Urban .....	557	168	455	439	2,674	3,381	865	511	770	1,470	11,290
Farm .....	30	267	100	195	447	697	389	1,035	881	278	4,319
Totals .....	1,234	850	1,374	1,401	5,930	9,093	1,572	2,343	3,867	3,221	30,885

## Appendix III

## Commodity Classification

Live animals	Crude materials, inedible -- Concluded
Cattle	Sand and gravel
Live animals, n.e.s. <sup>1</sup>	Stone, crude
	Crude non-metallic minerals, except coal and petroleum, n.e.s.
	Crude materials, inedible, n.e.s.
Food, feed, beverages and tobacco	Fabricated materials, inedible
Meat and meat preparations	Sawmill products
Dairy produce, eggs and honey	Wood fabricated materials, n.e.s.
Cereals unmilled (including grain)	Paper and paperboard
Grain, flour, meal and cereal preparations, n.e.s.	Oils, fats, waxes, extracts and derivatives, animal and vegetable
Fruits and fruit preparations	Inorganic and organic chemicals
Vegetables and vegetable preparations	Chemical products
Fodder and feed, except unmilled cereals	Gasoline
Non-alcoholic beverages	Fuel oil
Ale, beer, stout and porter	Petroleum and coal products, n.e.s.
Tobacco	Iron and steel and alloys and metal fabricated basic products
Food, feed, beverages and tobacco, n.e.s.	Cement and concrete basic products
	Non-metallic mineral basic products, n.e.s.
	Fabricated materials, inedible, n.e.s.
Crude materials, inedible	End products, inedible
Logs, round and roughly squared	Machinery
Round timber	Passenger automobiles and chassis
Pulpwood	Motor vehicle engines, accessories, parts and assemblies
Fuelwood, n.e.s.	End products, inedible, n.e.s.
Crude wood materials, n.e.s.	
Ores, concentrates and precipitates	General freight
Coal	
Coal, crude petroleum and related crude products, n.e.s.	

<sup>1</sup> n.e.s. - not elsewhere specified.

### Appendix IV

#### Description of Vehicle Classifications, 1961

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

#### For hire trucks

##### Atlantic provinces:

No separate licence—

Newfoundland—trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island—trucks operated for compensation on intercity routes and/or in urban areas.

New Brunswick—trucks owned by companies or individuals licensed by the Motor Carrier Board.

##### Quebec:

"L" licensed vehicles—operated for compensation in intercity or urban service.

##### Ontario:

Public Commercial Vehicles (P.C.V.)—operated for compensation outside urban areas (rural and intercity routes).

##### Manitoba:

Public Service Vehicles (P.S.V.)—operated for compensation beyond 15 miles radius of place of registration.

##### Saskatchewan:

"A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

##### Alberta:

"E" and "P.S.V." licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

##### British Columbia:

"E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

#### Private intercity trucks

##### Atlantic provinces:

No separate licence—trucks operated on intercity routes.

##### Quebec:

No separate licence—trucks with "F" licences operated outside urban areas.

##### Ontario:

No separate licence—private non-farm trucks operated outside urban areas.

##### Manitoba:

"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

##### Saskatchewan:

No separate licence—trucks with "C" or "D" licences operated outside urban areas.

#### Private intercity trucks—Concluded

##### Alberta:

"CV" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

##### British Columbia:

No separate licence—private non-farm trucks operated beyond urban areas.

#### Private urban trucks

##### Atlantic provinces:

No separate licence—trucks operated in urban areas.

##### Quebec:

No separate licence—trucks with "F" licences operated in urban areas.

##### Ontario:

No separate licence—trucks operated only in urban areas.

##### Manitoba:

"T" and "DC" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

##### Saskatchewan:

No separate licence—trucks with "C" or "D" licences operated within urban areas.

##### Alberta:

"C" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

##### British Columbia:

No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

#### Farm trucks

##### Atlantic provinces:

Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

##### Quebec:

"N" licensed vehicles—owned and operated by a farmer.

##### Ontario:

No separate licence—trucks owned and operated by a farmer.

##### Manitoba:

"FT" licensed vehicles—trucks owned and operated by a farmer.

##### Saskatchewan:

"F" licensed vehicles—trucks owned and operated by a farmer.

##### Alberta:

"F" licensed vehicles—trucks owned and operated by a farmer.

##### British Columbia:

Trucks owned and operated by a farmer including those with special farm licence.



## TRUCK TRAFFIC QUESTIONNAIRE

DOMINION BUREAU OF STATISTICS, OTTAWA

## Transportation Section

## Appendix V

See Instructions on page 6

This questionnaire is for the following vehicle only:

To be completed by all vehicle operators regardless of the purpose for which vehicle is used - and to be returned at end of Survey Week.

Please answer those sections which apply to your operations for ONE WEEK ONLY.

Serial No. \_\_\_\_\_

Licence No. \_\_\_\_\_

begin  
SUNDAY  
morning

end  
SATURDAY  
midnight

## I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☐ one):

- ☐ (a) as a common carrier } for revenue earning purposes?  
☐ (b) as a contract carrier }  
☐ (c) to carry or distribute own or company goods in urban areas (within 5 miles of city or town limits)?  
☐ (d) to carry or distribute own or company goods over highways or rural roads?  
☐ (e) by a farmer to carry goods to and from the farm?  
☐ (f) for personal transportation (with no load)?

2. If you have checked ☐ either 1 (c) or 1 (d) above, please indicate below the industry or activity with which this vehicle is usually associated:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 1 Forestry      | <input type="checkbox"/> 5 Construction               | <input type="checkbox"/> 9 Services (such as laundries, radio & T.V. repair, plumbing, etc.) |
| <input type="checkbox"/> 2 Fishing       | <input type="checkbox"/> 6 Utilities or communication |  |
| <input type="checkbox"/> 3 Mining        | <input type="checkbox"/> 7 Wholesale trade            | <input type="checkbox"/> 10 Other  |
| <input type="checkbox"/> 4 Manufacturing | <input type="checkbox"/> 8 Retail trade               | Please state _____   |

3. Is this vehicle licensed in more than one province? ☐ 1 Yes ☐ 2 No

4. If yes, which provinces?
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> 1 Newfoundland         | <input type="checkbox"/> 5 Quebec       | <input type="checkbox"/> 9 Alberta           |
| <input type="checkbox"/> 2 Prince Edward Island | <input type="checkbox"/> 6 Ontario      | <input type="checkbox"/> 10 British Columbia |
| <input type="checkbox"/> 3 Nova Scotia          | <input type="checkbox"/> 7 Manitoba     | <input type="checkbox"/> 11 Yukon            |
| <input type="checkbox"/> 4 New Brunswick        | <input type="checkbox"/> 8 Saskatchewan | <input type="checkbox"/> 12 N.W.T.           |

5. Is this vehicle licensed in the United States? ☐ 1 Yes ☐ 2 No6. Model (check ☐ one)

- |  |  |                                      |   |  |
|--|--|--------------------------------------|---|--|
| <input type="checkbox"/> 1 Pickup                        | <input type="checkbox"/> 5 Station wagon | <input type="checkbox"/> 9 Van       | <input type="checkbox"/> 13 Dump            | <input type="checkbox"/> 17 Flatdeck     |
| <input type="checkbox"/> 2 Express                       | <input type="checkbox"/> 6 Jeep          | <input type="checkbox"/> 10 Platform | <input type="checkbox"/> 14 Tank            | <input type="checkbox"/> 18 Lowbed       |
| <input type="checkbox"/> 3 Panel                         | <input type="checkbox"/> 7 Utility       | <input type="checkbox"/> 11 Stake    | <input type="checkbox"/> 15 Box             | <input type="checkbox"/> 19 Auto carrier |
| <input type="checkbox"/> 4 Sedan delivery                | <input type="checkbox"/> 8 Metro         | <input type="checkbox"/> 12 Mixer    | <input type="checkbox"/> 16 Pole or logging | <input type="checkbox"/> 20 Bulk carrier |
| <input type="checkbox"/> 21 Mechanically refrigerated    |  |                                      |   |  |
| <input type="checkbox"/> 22 Other, please describe _____ |  |                                      |   |  |

7. Is this a tractor-trailer combination? ☐ 1 Yes ☐ 2 No8. Number of axles on truck or tractor-trailer combination (check ☐ one):

- ☐ 2    ☐ 3    ☐ 4    ☐ 5    ☐ 6 and over

9. What is the maximum gross weight\* of the truck or tractor-trailer combination?

\_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

10. If this vehicle was not operated during the Survey Week, please state reason:

\_\_\_\_\_

11. Gallons of fuel used during Survey Week:

- ☐ 1 Gasoline .....
- ☐ 2 Diesel .....
- ☐ 3 Other .....

gallons	
Imperial	U.S.
miles	

12. Total miles travelled during Survey Week .....  
 (Speedometer reading at end of week minus speedometer reading at beginning of week. If speedometer is not working, please estimate total mileage for the seven day period.)

**II. URBAN OPERATIONS**

— are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported in Section III)

1. If this vehicle was used predominantly in an urban area during the Survey Week, please state the name of the city or town. ....

2. Total miles travelled in Urban Areas during Survey Week: .....

3. How many of the miles reported in 2 above were travelled with a load? .....

pounds

4. Average load carried per trip by this vehicle during the Survey Week in Urban Areas .....

5. Total weight of goods loaded in urban areas during Survey Week:

Sunday ..... pounds      Wednesday ..... pounds  
 Monday ..... "      Thursday ..... "  
 Tuesday ..... "      Friday ..... "  
 Saturday ..... pounds

Total .....

pounds

6. What kinds of goods did you carry? .....

7. If this vehicle is a for-hire (common or contract) carrier, what revenue was received for urban services performed during the Survey Week? ..... \$

**III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS**

i.e., operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. Include urban portion of intercity or rural trips. Rural operations refer to traffic performed on public roads by farmers to and from farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip	
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines	
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm	
3. One-way mileage	350	350	23	23	
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8	
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500	
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500	
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500	
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies	
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil	
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable	
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable	
12. Day of week	Mon.	Tues.	Mon.	Mon.	

## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4	ONE-WAY TRIP NO. 5
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

**Remarks:** Please make any comments which you think will help us to understand your report.

## INSTRUCTIONS - PLEASE READ CAREFULLY

**Identification of Vehicle**

Information contained in the large rectangle on the front page identifies the particular vehicle selected for this survey by gross vehicle weight, tare weight, make, year, and licence number, etc. **N.B. Please do not substitute any other vehicle for the one indicated.**

**Method of Selection**

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle.

**Tractors**

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-27054 or 9-24275) or contract one of the Regional Offices listed below.

City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box 5785)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	UN 6-8008
Toronto, Ont.	36 Adelaide St. E.	EM 2-6211 (Local 2434)
Winnipeg, Man.	269 Main St., Federal Bldg.	WH 3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA 4-0251 (Local 259)
Vancouver, B.C.	Room 404, 326 Howe St.,	MU 1-5288

**Units of Measure**

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

**If Vehicle did not Operate**

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete questions 1 to 10 and return.

**If Vehicle Sold**

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" above and return the questionnaire in the envelope provided.

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_



CATALOGUE No.

53-207

ANNUAL



Canada. Statistics, Bureau of  
///

MOTOR TRANSPORT TRAFFIC  
NATIONAL ESTIMATES  
1962



*Published by Authority of*  
The Minister of Trade and Commerce

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Public Finance and Transportation Division  
Transportation Section

April 1964  
8504-565

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Public Finance and Transportation Division  
dealing with

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53-216	<b>Urban Transit</b> (approx. 20 pp.) Investment, revenues, expenses, passengers carried, vehicle miles run, fuel consumed, by electric car, trolley coach and motor bus; equipment, accidents, employees, salaries and wages by province ..... .50	.50
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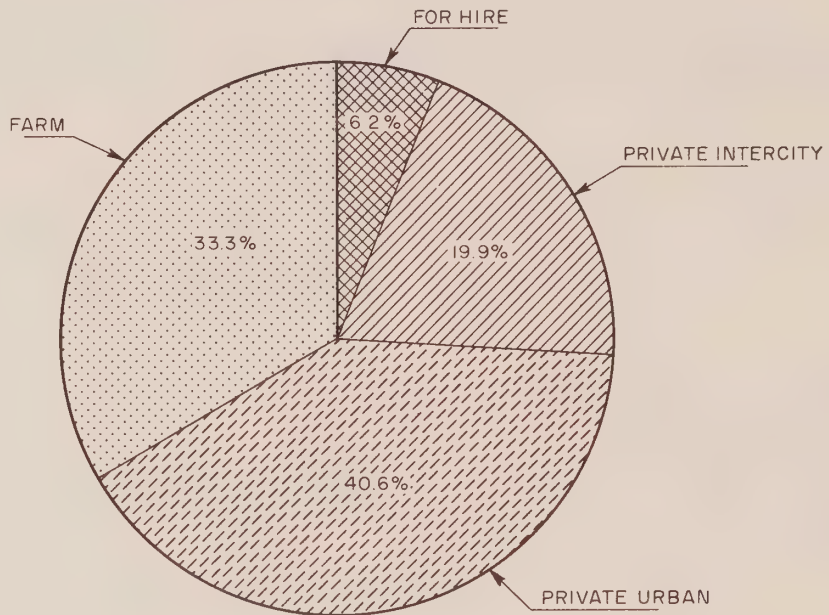
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MOTOR TRANSPORT TRAFFIC  
NATIONAL ESTIMATES  
1962

CHART-1

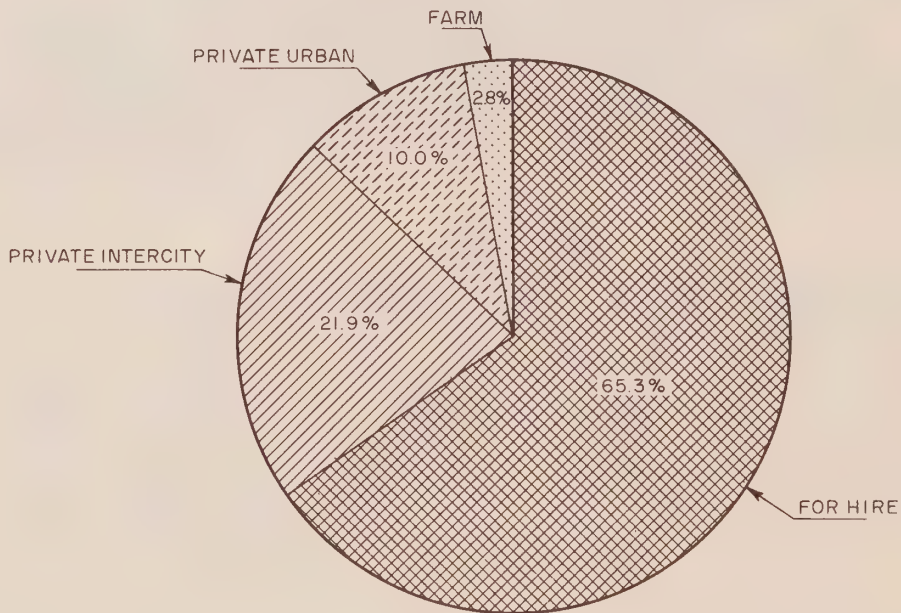
TRUCK REGISTRATIONS BY TYPE OF OPERATION



Source: Appendix I.

CHART-2

NET TON MILES BY TYPE OF OPERATION

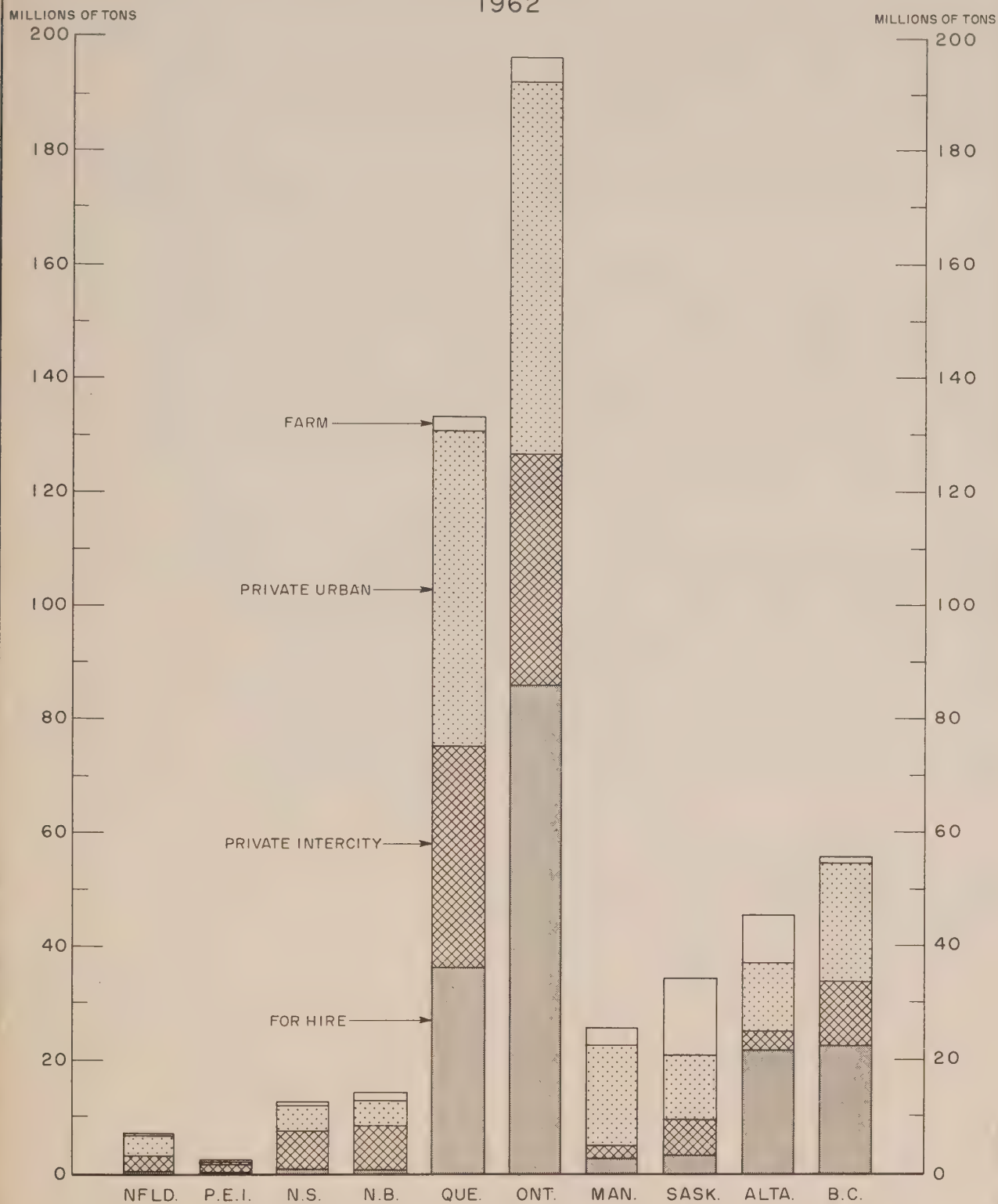


Source: Section I, Table I.

CHART-3

# TONS CARRIED BY TYPE OF OPERATION

1962



Source: Section I, Tables 4, 7, 10 and 11.





## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1962. Truck transport statistics published in provincial and regional reports for 1962 have been summarized herein.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and their affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957. A summary table has been included in this report which provides a comparison of principal statistics by function of carrier for the years 1960, 1961 and 1962. The data contained in this table should be used only as a guide to the trends in truck traffic as methods used in estimating the traffic have been improved over the years and consequently some changes in concepts have had to be made which affect the comparability of the statistics.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics. A breakdown of the commodity groupings used in this report is presented in Appendix VII. Traffic data by individual commodities while not available in the annual report are presented in the quarterly reports "Motor Transport Traffic; National Estimates", Catalogue No. 53-004.

Included in this report are additional appendices which provide further information on the truck population. The data contained in Appendix II, Truck Population by Type of Motive Power, Class of Operation and Province and Appendix III, Truck and Tractor-Trailer Population by Model and Province have been released for previous years in the Daily Bulletin. However, the analyses shown in Appendix IV, Truck Population by Year of Manufacture and Province and Appendix V, Private Intercity and Urban Truck Population by Industry and Province have not been made for previous years and are presented in this report for the first time.

### Sample Selection

The 1962 national estimates of motor transport traffic in Canada are based upon a sample of approximately 11 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government-owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province are as follows:

Province	Gross vehicle weight groups (pounds)					
	0 - 5,000	5,001- 10,000	10,001- 15,000	15,001- 20,000	20,001- 30,000	Over 30,000
Newfoundland .....	1/32	1/16	1/4	1/4	1/4	1/4
Prince Edward Island .....	1/32	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/12	1/80	1/12	1/12	1/4	1/4
New Brunswick .....	1/8	1/80	1/12	1/12	1/4	1/4
Quebec <sup>1</sup> .....	1/144	1/144	1/24	1/24	1/6	1/6
Ontario .....	1/216	1/72	1/24	1/24	1/6	1/6
Manitoba .....	1/144	1/144	1/24	1/24	1/6	1/6
(Farm trucks) .....	( 1/144)	( 1/216)	( 1/48)	( 1/48)	( 1/12)	( 1/12)
Saskatchewan .....	1/72	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	( 1/144)	( 1/216)	( 1/72)	( 1/72)	( 1/36)	( 1/12)
Alberta .....	1/144	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	( 1/288)	( 1/144)	( 1/24)	( 1/72)	( 1/12)	( 1/12)
British Columbia .....	1/144	1/72	1/24	1/24	1/6	1/6

<sup>1</sup> Vehicles in Quebec were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm

trucks are those operated by farmers primarily to transport farm produce and supplies.

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1962 population estimates and Appendix VIII for the description of vehicle classifications in each province.)

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at totals. Current procedures in arriving at provincial and national totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.
- The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.
3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.

4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.

5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.

6. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.

7. Annual provincial totals are added together to obtain national estimates.

### Compilation of National Estimates

#### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are intransit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements.

It should be noted that 1962 saw the conclusion of a large number of reciprocal licensing agreements. Most of these agreements were based on full free reciprocity for certain vehicles including most of those of less than 6,000 lb. gross weight, while trucks over this weight paid the full fee in their home province and \$10.00 per ton in the province extending reciprocity. Agreements along these lines were signed by Ontario with New Brunswick, Manitoba, Saskatchewan and Alberta. Saskatchewan and Alberta also agreed to reciprocate on a similar basis. Trucks registering at \$10.00 per ton reciprocal fee are being excluded from the truck populations of all but their home provinces. This



will eliminate a considerable amount of duplication in the National Estimates. However, as most of the agreements referred to above did not become effective until the latter half of 1962 the effects on 1962 data will not be significant. A summary of reciprocal highway agreements for trucking, current at December 31, 1962, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1962, Part I, Rates and Regulations", Catalogue No. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of the interprovincial operations reported by each operator. With the extension of reciprocal licensing agreements and the consequent decrease in duplication this procedure no longer becomes entirely adequate. If and when reciprocal licensing agreements extend to all provinces no adjustment to the reported data will be necessary. As most reciprocal licensing agreements under the \$10.00 per ton fee did not come into effect until late 1962 it has been decided to follow the previous practice with regard to interprovincial operations and halve the data reported. This procedure will have to be re-examined for 1963.

Although it was necessary to reduce interprovincial data to obtain realistic national estimates it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when provincial data are added together that difficulties arise.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licenses trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix VIII, which describes the vehicle classifications used in this report, will reveal these variations.

#### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to

calculate them. A reproduction of the questionnaire used in 1962 appears in Appendix IX.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the average load carried during the week was calculated and then multiplied by the number of miles travelled with a load to obtain net ton miles.

Average distance each ton was carried—total net ton miles divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel)—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by total miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during the year divided by the estimated annual truck population.

Capacity ton miles—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by the estimated annual truck population.

Percentage of capacity utilized—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

Gross ton miles—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net miles performed. The tare weight of each vehicle was estimated, except for vehicles in Quebec which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by estimated annual truck population.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 to 1961.



### Review of Survey Results

The estimated population of truck and road tractors performing transportation services in Canada during the year rose 3.4 per cent to 975,000 from 942,900 in 1961. Of these 60,527 or 6.2 per cent were for hire vehicles; 193,568 or 19.9 per cent were private intercity vehicles; 396,055 or 40.6 per cent were private vehicles operating wholly within urban areas; and 324,850 or 33.3 per cent were farm trucks. Almost one third of the total number of trucks were registered in Ontario and one half were registered in the two provinces of Quebec and Ontario.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected, it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

#### Section I. Total Truck Traffic by Canadian Registered Trucks

Total miles travelled by trucks and road tractors increased by 2.4 per cent to 6,921 million in 1962 from 6,761 million in 1961; at the same time the average mileage per truck dropped slightly to 7,100 miles from 7,200 in the previous year. The average distance each ton of goods was carried decreased insignificantly to 35.1 miles from 35.2 while the proportion of empty miles remained constant at one half.

Gasoline consumption was 676,700,000 gallons in 1962 an increase of 1.1 per cent over the 669,402,000 gallons reported in 1961. Diesel fuel consumption was up 7.5 per cent in 1962 to 101,220,000 gallons from 94,126,000 in the previous year.

The total weight of goods carried by all trucks increased between the two years to 525,695,000 tons from 511,709,000 tons and the average weight carried increased to 5.3 tons from 5.2. With the increase in loaded miles travelled and tons of goods carried the total net ton miles performed rose by 2.4 per cent to 18,435,255,000 from 17,996,048,000 in 1961 while the average net ton miles per truck decreased by 1.0 per cent.

Trucks with a gross vehicle weight of 20,001 lb. and over comprised approximately one eighth of

the total truck population in 1962. However, these vehicles had an average yearly mileage of slightly over 18,000 miles, an average load of 10.8 tons and travelled empty only 32.5 per cent of the time. Consequently these heavier trucks performed 88.6 per cent of the road transportation services of the country measured in terms of net ton miles.

Charts 1 and 2 indicate that for hire trucks and road tractors, which represented only 6.2 per cent of total registrations, performed 65.3 per cent of truck transport net ton miles. For hire vehicles carried an average load of 11.0 tons compared with an average of 5.3 tons for trucks of all types and transported each ton an average distance of 68.9 miles as against 35.1 for all four categories of trucks.

It is estimated that urban operations accounted for 6.1 per cent and 4.9 per cent of the total net ton miles performed by for hire and private intercity trucks respectively.

Some private trucks under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 13 per cent of the total mileage travelled by all trucks. About 80 per cent of trucks used mainly for personal transportation are in the category "pickup, express, panel, sedan delivery, jeep, utility". Within this category trucks used for personal transportation accounted for approximately 20 per cent of the total.

#### Section II. Interprovincial and International Traffic by Canadian Registered Trucks

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 5,916,000 tons of goods, of which 26 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 2,184,000 tons of goods between provinces, of which 27 per cent was moved between Quebec and Ontario.

### APPENDIX VI

During 1962, survey questionnaires were mailed to the owners or operators of 110,130 motor vehicles. Of this number 44,495 were returned completed and 31,416 trucks were reported not used during the

survey week. The remaining 34,219 were either returned incomplete and unusable or not returned at all.

## Comparative Summary of Total Traffic of All Trucks by Type of Operation, 1960-62

	Estimated annual population	Mileage			Fuel			Weight of goods carried	
		Total mileage travelled	Average distance each ton was carried	Percentage of total mileage travelled empty	Total gallons consumed			Total tons of goods carried	Average weight carried
					Gasoline	Diesel	Other		
		'000	miles		'000	'000	'000	'000	tons
For hire:									
1960 .....	55, 016	1, 348, 359	68. 9	26. 4	160, 823	65, 390	238	144, 912	10. 1
1961 .....	58, 306	1, 486, 180	74. 8	26. 7	178, 707	78, 454	79	156, 712	10. 8
1962 .....	60, 527	1, 506, 662	68. 9	27. 1	170, 575	83, 410	635	174, 642	11. 0
Private intercity:									
1960 .....	185, 919	1, 861, 885	28. 2	57. 1	182, 396	10, 021	598	120, 287	4. 2
1961 .....	198, 804	2, 126, 373	31. 4	56. 2	211, 711	13, 870	628	125, 756	4. 2
1962 .....	193, 568	2, 066, 629	33. 3	57. 5	206, 149	15, 339	624	121, 222	4. 6
Private urban:									
1960 .....	361, 845	2, 104, 531	9. 9	51. 9	190, 230	1, 365	—	176, 967	1. 7
1961 .....	370, 942	2, 224, 047	9. 7	51. 4	206, 197	1, 802	—	196, 146	1. 8
1962 .....	396, 055	2, 371, 859	9. 5	53. 8	222, 166	2, 471	—	195, 294	1. 7
Farm:									
1960 .....	306, 620	963, 336	12. 9	66. 0	75, 983	—	—	36, 536	1. 4
1961 .....	314, 848	923, 917	13. 3	63. 5	72, 787	—	—	33, 095	1. 3
1962 .....	324, 850	975, 433	14. 7	61. 6	77, 810	—	—	34, 537	1. 4
All trucks:									
1960 .....	909, 400	6, 278, 111	32. 6	50. 1	609, 432	76, 776	836	478, 702	5. 0
1961 .....	942, 900	6, 760, 517	35. 2	49. 1	669, 402	94, 126	707	511, 709	5. 2
1962 .....	975, 000	6, 920, 583	35. 1	50. 2	676, 700	101, 220	1, 259	525, 695	5. 3
		Net ton miles		Capacity ton miles		Gross ton miles	Revenue		
		Total net ton miles performed	Average net ton miles per truck	Total capacity ton miles	Percentage of capacity utilized		Total revenue	Revenue per ton mile	Average revenue per truck
		'000		'000		'000	\$'000	¢	\$
For hire:									
1960 .....	9, 984, 777	181, 500	17, 576, 454	56. 8	22, 426, 938	657, 862	6. 6	12. 000	
1961 .....	11, 716, 288	200, 900	20, 539, 624	57. 0	26, 234, 097	722, 664	6. 2	12. 400	
1962 .....	12, 040, 114	198, 900	21, 402, 191	56. 3	27, 230, 059	755, 563	6. 3	12. 500	
Private intercity:									
1960 .....	3, 386, 830	18, 200	8, 474, 129	40. 0	10, 145, 099	—	—	—	—
1961 .....	3, 944, 344	19, 800	9, 816, 305	40. 2	11, 762, 936	—	—	—	—
1962 .....	4, 036, 609	20, 900	10, 282, 338	39. 3	12, 109, 004	—	—	—	—
Private urban:									
1960 .....	1, 759, 002	4, 900	5, 113, 859	34. 4	7, 111, 042	—	—	—	—
1961 .....	1, 896, 802	5, 100	5, 511, 863	34. 4	7, 630, 203	—	—	—	—
1962 .....	1, 851, 164	4, 700	6, 086, 681	30. 4	8, 215, 790	—	—	—	—
Farm:									
1960 .....	471, 575	1, 500	1, 737, 333	27. 1	2, 619, 522	—	—	—	—
1961 .....	438, 614	1, 400	1, 645, 921	26. 6	2, 495, 266	—	—	—	—
1962 .....	507, 368	1, 600	1, 753, 211	28. 9	2, 638, 953	—	—	—	—
All trucks:									
1960 .....	15, 602, 184	17, 200	32, 901, 775	47. 4	42, 302, 601	—	—	—	—
1961 .....	17, 996, 048	19, 100	37, 513, 713	48. 0	48, 122, 502	—	—	—	—
1962 .....	18, 435, 255	18, 900	39, 524, 421	46. 6	50, 193, 806	—	—	—	—



## SECTION 1. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1962

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled .....	'000	1, 506, 662	2, 066, 629	2, 371, 859	975, 433	6, 920, 583
Average yearly mileage per truck .....		24, 900	10, 700	6, 000	3, 000	7, 100
Average distance each ton was carried .....		68.9	33.3	9.5	14.7	35.1
Percentage of total mileage travelled empty .....		27.1	57.5	53.8	61.6	50.2
Fuel:						
Total gallons of gasoline consumed .....	'000	170, 575	206, 149	222, 166	77, 810	676, 700
Miles per gallon of gasoline .....		5.8	9.5	10.6	12.5	9.3
Total gallons of diesel oil consumed .....	'000	83, 410	15, 339	2, 471	—	101, 220
Miles per gallon of diesel oil .....		6.2	6.2	5.7	—	6.2
Total gallons of other fuel oil .....	'000	635	624	—	—	1, 259
Miles per gallon of other fuel .....		5.4	7.2	—	—	6.3
Weight of goods carried:						
Total tons of goods carried .....	'000	174, 642	121, 222	195, 294	34, 537	525, 695
Average weight carried .....	ton	11.0	4.6	1.7	1.4	5.3
Net ton miles:						
Total net ton miles performed .....	'000	12, 040, 114	4, 036, 609	1, 851, 164	507, 368	18, 435, 255
Average net ton miles per truck .....		198, 900	20, 900	4, 700	1, 600	18, 900
Capacity ton miles:						
Total capacity ton miles .....	'000	21, 402, 191	10, 282, 338	6, 086, 681	1, 753, 211	39, 524, 421
Average capacity ton miles per truck .....		353, 600	53, 100	15, 400	5, 400	40, 500
Percentage of capacity utilized .....		56.3	39.3	30.4	28.9	46.6
Gross ton miles:						
Total gross ton miles .....	'000	27, 230, 059	12, 109, 004	8, 215, 790	2, 638, 953	50, 193, 806
Average gross ton miles per truck .....		449, 900	62, 600	20, 700	8, 100	51, 500
Revenue:						
Total revenue .....	\$'000	755, 563	—	—	—	—
Revenue per ton mile .....	¢	6.3	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	50.1	—	—	—	—
Average revenue per truck .....	\$	12, 500	—	—	—	—
Estimated annual population .....		60, 527	193, 568	396, 055	324, 850	975, 000

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
<b>Mileage:</b>								
Total mileage travelled .....	'000	1,946,644	1,924,558	341,390	472,722	736,510	562,315	6,920,583
Average yearly mileage per truck .....		5,200	5,700	5,600	5,900	10,500	17,700	7,100
Average distance each ton was carried .....		17.0	20.6	17.3	15.0	14.1	18.9	35.1
Percentage of total mileage travelled empty .....		70.0	56.9	35.7	35.4	39.6	38.4	50.2
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000	131,260	160,745	37,906	60,928	105,952	98,554	676,700
Miles per gallon of gasoline .....		14.8	12.0	9.0	7.8	6.9	5.1	9.3
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	8,496	101,220
Miles per gallon of diesel oil .....		—	—	—	—	—	6.7	6.2
Total gallons of other fuel consumed .....	'000	—	—	—	—	688	262	1,259
Miles per gallon of other fuel .....		—	—	—	—	7.3	6.2	6.3
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000	10,298	27,578	23,112	63,600	163,494	160,085	525,695
Average weight carried .....	ton	0.3	0.7	1.8	3.1	5.2	8.8	5.3
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000	174,748	569,246	400,490	954,984	2,308,013	3,033,327	18,435,255
Average net ton miles per truck .....		500	1,700	6,500	11,800	33,000	95,300	18,900
<b>Capacity ton miles:</b>								
Total capacity ton miles .....	'000	1,569,000	2,610,632	1,135,719	2,521,143	5,995,132	7,288,511	39,524,421
Average capacity ton miles per truck .....		4,200	7,700	18,600	31,200	85,600	229,000	40,500
Percentage of capacity utilized .....		11.1	21.8	35.3	37.9	38.5	41.6	46.6
<b>Gross ton miles:</b>								
Total gross ton miles .....	'000	3,245,415	4,608,215	1,554,988	2,809,632	6,015,781	8,066,552	50,193,806
Average gross ton miles per truck .....		8,700	13,600	25,400	34,800	85,900	253,400	51,500
Estimated annual population .....		372,527	338,333	61,220	80,742	70,037	31,832	975,000



TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	77,356	38,024	223,738	179,402	1,706,381	2,240,548
Average yearly mileage per truck .....	6,000	5,800	7,000	7,400	8,900	7,600
Average distance each ton was carried .....	10.7	19.2	21.5	23.6	28.5	34.4
Percentage of total mileage travelled empty .....	66.0	68.7	55.8	56.6	46.7	48.7
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	7,290	3,136	21,634	18,265	168,049	241,827
Miles per gallon of gasoline .....	10.6	12.1	10.3	9.5	9.5	8.6
Total gallons of diesel oil consumed ..... '000	—	—	330	902	19,187	26,324
Miles per gallon of diesel oil .....	—	—	6.0	6.8	6.0	6.4
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	6,833	2,021	12,343	14,004	133,214	196,528
Average weight carried ..... ton	2.8	3.3	2.7	4.3	4.2	5.9
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	73,226	38,841	264,890	330,757	3,802,009	6,767,355
Average net ton miles per truck .....	5,700	5,900	8,300	13,600	19,900	22,800
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	216,079	98,350	695,645	808,546	8,732,274	14,645,003
Average capacity ton miles per truck .....	16,900	14,900	21,700	33,300	45,700	49,400
Percentage of capacity utilized .....	33.9	39.5	38.1	40.9	43.5	46.2
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	280,127	127,710	915,914	1,008,766	10,315,039	18,285,808
Average gross ton miles per truck .....	21,900	19,400	28,500	41,500	54,000	61,700
Estimated annual population .....	12,800	6,600	32,100	24,300	191,000	296,500
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	397,712	487,820	885,389	684,233	6,920,583	
Average yearly mileage per truck .....	5,900	4,400	6,700	6,700	7,100	
Average distance each ton was carried .....	53.0	33.6	59.2	35.4	35.1	
Percentage of total mileage travelled empty .....	45.0	57.0	49.7	56.0	50.2	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	36,299	46,585	75,635	57,980	676,700	
Miles per gallon of gasoline .....	9.3	9.6	9.9	10.0	9.3	
Total gallons of diesel oil consumed ..... '000	9,632	6,511	20,731	17,603	101,220	
Miles per gallon of diesel oil .....	6.3	6.3	6.2	5.7	6.2	
Total gallons of other fuel consumed ..... '000	—	—	1,115	144	1,259	
Miles per gallon of other fuel .....	—	—	6.2	7.2	6.3	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	25,540	34,175	45,470	55,567	525,695	
Average weight carried ..... ton	6.2	5.5	6.0	6.5	5.3	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,353,145	1,149,356	2,689,630	1,966,046	18,435,255	
Average net ton miles per truck .....	20,100	10,400	20,400	19,200	18,900	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	2,507,020	2,582,007	5,116,825	4,122,672	39,524,421	
Average capacity ton miles per truck .....	37,300	23,400	38,800	40,300	40,500	
Percentage of capacity utilized .....	54.0	44.5	52.6	47.7	46.6	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	3,475,187	3,363,518	7,090,978	5,330,759	50,193,806	
Average gross ton miles per truck .....	51,600	30,500	53,800	52,100	51,500	
Estimated annual population .....	67,300	110,300	131,800	102,300	975,000	

TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled .....	'000 2,398	659	12,560	14,984	325,708	554,536
Average yearly mileage per truck .....	6,900	7,800	16,300	28,500	19,500	25,700
Average distance each ton was carried .....	14.9	87.8	87.4	180.2	57.2	51.7
Percentage of total mileage travelled empty .....	44.2	28.7	25.7	25.5	22.8	29.4
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000 339	86	1,711	1,559	37,643	77,699
Miles per gallon of gasoline .....	7.1	7.6	6.2	5.7	6.5	5.4
Total gallons of diesel oil consumed .....	'000 —	—	330	902	13,310	20,559
Miles per gallon of diesel oil .....	—	—	6.0	6.8	6.0	6.4
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000 509	49	848	707	36,172	86,048
Average weight carried .....	ton 5.7	9.1	7.9	11.4	8.2	11.4
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000 7,569	4,295	74,119	127,407	2,070,671	4,447,275
Average net ton miles per truck .....	21,900	51,100	96,000	242,200	124,000	205,900
<b>Capacity ton miles:</b>						
Total capacity ton miles .....	'000 17,136	7,617	139,318	219,152	3,837,542	8,296,711
Average capacity ton miles per truck .....	49,700	90,700	180,500	416,600	229,800	384,100
Percentage of capacity utilized .....	44.2	56.4	53.2	58.1	54.0	53.6
<b>Gross ton miles:</b>						
Total gross ton miles .....	'000 18,468	9,081	178,774	284,505	4,455,218	10,198,832
Average gross ton miles per truck .....	53,500	108,100	231,600	540,900	266,800	472,200
<b>Revenue:</b>						
Total revenue .....	\$'000 1,324	284	7,803	7,539	169,654	284,344
Revenue per ton mile .....	¢ 17.5	6.6	10.5	5.9	8.2	6.4
Revenue per mile (total mileage travelled) .....	¢ 55.2	43.1	62.1	50.3	52.1	51.3
Average revenue per truck .....	\$ 3,800	3,400	10,100	14,300	10,200	13,200
Estimated annual population .....	345	84	772	526	16,700	21,600
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled .....	'000 92,813	83,826	274,368	144,810	1,506,662	
Average yearly mileage per truck .....	58,000	46,600	26,100	21,900	24,900	
Average distance each ton was carried .....	348.4	221.9	105.4	58.5	68.9	
Percentage of total mileage travelled empty .....	19.2	28.9	28.6	29.2	27.1	
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000 6,723	9,091	24,357	11,367	170,574	
Miles per gallon of gasoline .....	5.4	5.2	6.0	6.1	5.8	
Total gallons of diesel oil consumed .....	'000 8,971	5,875	20,032	13,431	83,410	
Miles per gallon of diesel oil .....	6.3	6.3	6.2	5.7	6.2	
Total gallons of other fuel consumed .....	'000 —	—	635	—	635	
Miles per gallon of other fuel .....	—	—	5.4	—	5.4	
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000 2,875	3,150	21,692	22,592	174,642	
Average weight carried .....	ton 13.3	11.7	11.7	12.9	11.0	
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000 1,001,698	698,908	2,285,890	1,322,282	12,040,114	
Average net ton miles per truck .....	626,100	388,300	217,700	200,300	198,900	
<b>Capacity ton miles:</b>						
Total capacity ton miles .....	'000 1,503,513	1,266,588	3,777,345	2,337,269	21,402,191	
Average capacity ton miles per truck .....	939,700	703,700	359,700	354,100	353,600	
Percentage of capacity utilized .....	66.6	55.2	60.5	56.6	56.3	
<b>Gross ton miles:</b>						
Total gross ton miles .....	'000 2,176,434	1,668,355	5,258,821	2,981,571	27,230,059	
Average gross ton miles per truck .....	1,360,300	926,900	500,800	451,800	449,900	
<b>Revenue:</b>						
Total revenue .....	\$'000 42,051	35,383	108,842	98,339	755,563	
Revenue per ton mile .....	¢ 4.2	5.1	4.8	7.4	6.3	
Revenue per mile (total mileage travelled) .....	¢ 45.3	42.2	39.7	67.9	50.1	
Average revenue per truck .....	\$ 26,300	19,700	10,400	14,900	12,500	
Estimated annual population .....	1,600	1,800	10,500	6,600	60,527	

TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	15,180	138,806	272,793	2.0	18.0	88,631	32.5	18,126
20,001-30,000 lb. ....	63,935	166,538	937,931	5.6	14.7	108,919	11.6	16,816
30,001-50,000 lb. ....	42,332	183,627	1,590,309	8.7	37.6	139,521	8.8	10,480
50,001 lb. and over .....	53,195	609,670	9,239,081	15.2	173.7	418,492	4.5	15,105
<b>Totals .....</b>	<b>174,642</b>	<b>1,098,641</b>	<b>12,040,114</b>	<b>11.0</b>	<b>68.9</b>	<b>755,563</b>	<b>6.3</b>	<b>60,527</b>

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	1,974	28,826	230,105	8.0	116.6	15,698	6.8
Food, feed, beverages and tobacco .....	15,483	210,890	2,244,722	10.6	145.0	109,246	4.9
Crude materials, inedible .....	84,971	100,667	1,204,381	12.0	14.2	70,308	5.8
Fabricated materials, inedible .....	32,060	185,371	2,823,399	15.2	88.1	147,572	5.2
End products, inedible .....	9,264	187,957	1,344,827	7.2	145.2	132,236	9.8
General freight .....	30,890	384,930	4,192,680	10.9	135.7	280,503	6.7
<b>Totals .....</b>	<b>174,642</b>	<b>1,098,641</b>	<b>12,040,114</b>	<b>11.0</b>	<b>68.9</b>	<b>755,563</b>	<b>6.3</b>

TABLE 7. Private Intercity Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	46,271	24,558	145,208	103,007	524,820	688,671	40,820	110,295	171,459	211,520	2,066,629
Average yearly mileage per truck .....	7,400	8,100	9,100	8,900	13,700	10,700	12,000	12,200	9,800	8,800	10,700
Average distance each ton was carried .....	16.4	20.1	21.5	19.3	28.0	40.9	59.0	31.4	42.1	41.1	33.3
Percentage of total mileage travelled empty .....	70.3	68.3	57.1	61.6	55.4	52.6	27.4	61.4	68.8	65.2	57.5
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	4,274	2,065	13,852	10,938	53,365	72,860	4,794	11,514	14,808	17,679	206,149
Miles per gallon of gasoline .....	10.8	11.9	10.5	9.4	9.4	9.0	7.9	9.2	11.0	10.5	9.5
Total gallons of diesel oil consumed ..... '000	—	—	—	—	3,606	5,765	461	636	699	4,172	15,339
Miles per gallon of diesel oil .....	—	—	—	—	6.2	6.3	5.9	6.7	6.5	5.9	6.2
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	480	144	624
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	7.2	7.2	7.2
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	2,549	1,500	6,731	8,038	39,049	40,526	1,938	6,347	3,210	11,334	121,222
Average weight carried ..... ton	3.0	3.9	2.3	3.9	4.7	5.1	4.5	4.7	2.5	6.3	4.6
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	41,825	30,172	144,725	154,837	1,093,729	1,656,703	114,257	199,390	135,185	465,786	4,036,609
Average net ton miles per truck .....	6,700	10,000	9,000	13,300	28,500	25,800	33,600	22,100	7,700	19,300	20,900
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	126,879	75,639	426,611	433,042	2,774,736	4,084,058	256,355	532,757	475,834	1,096,427	10,282,338
Average capacity ton miles per truck .....	20,200	25,100	26,700	37,300	72,300	63,600	75,400	59,100	27,200	45,400	53,100
Percentage of capacity utilized .....	33.0	39.9	33.9	35.8	39.4	40.6	44.6	37.4	28.4	42.5	39.3
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	164,234	92,234	557,836	522,296	2,961,174	4,839,200	316,831	649,050	633,881	1,372,268	12,109,004
Average gross ton miles per truck .....	26,200	30,600	34,900	45,000	77,200	75,300	93,200	72,000	36,300	56,800	62,600
Estimated annual population.....	6,276	3,017	16,004	11,599	38,379	64,258	3,400	9,020	17,472	24,143	193,568



TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	6,128	353,351	173,632	0.5	28.3	134,159
10,001-20,000 lb. ....	20,051	164,447	428,303	2.6	21.4	26,178
20,001-30,000 lb. ....	38,644	165,312	880,119	5.3	22.8	20,164
30,001-50,000 lb. ....	32,066	87,132	799,189	9.2	24.9	7,863
50,001 lb. and over .....	24,333	108,569	1,755,366	16.2	72.1	5,204
<b>Totals .....</b>	<b>121,222</b>	<b>878,811</b>	<b>4,036,609</b>	<b>4.6</b>	<b>33.3</b>	<b>193,568</b>

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton
	'000 tons	'000	'000	tons	miles
Live animals .....	786	15,701	65,627	4.2	83.5
Food, feed, beverages and tobacco .....	17,024	293,594	985,856	3.4	57.9
Crude materials, inedible .....	58,127	103,797	930,718	9.0	16.0
Fabricated materials, inedible .....	34,202	162,710	1,372,164	8.4	40.1
End products, inedible .....	6,401	212,441	433,621	2.0	67.7
General freight .....	4,682	90,568	248,623	2.7	53.1
<b>Totals .....</b>	<b>121,222</b>	<b>878,811</b>	<b>4,036,609</b>	<b>4.6</b>	<b>33.3</b>

TABLE 10. Private Urban Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	26,651	5,169	45,154	46,542	738,475	800,602	184,385	72,533	165,469	286,879	2,371,859
Average yearly mileage per truck .....	4,700	4,400	4,400	5,800	7,600	5,600	6,400	5,200	6,000	4,800	6,000
Average distance each ton was carried .....	6.2	8.2	8.8	9.3	10.8	9.2	10.1	6.7	10.8	7.9	9.5
Percentage of total mileage travelled empty .....	61.5	70.6	57.4	54.1	48.3	54.5	55.8	58.7	54.9	61.4	53.8
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2,513	452	4,361	4,465	67,793	76,613	18,156	7,090	15,069	25,654	222,166
Miles per gallon of gasoline .....	10.6	11.4	10.4	10.4	10.7	10.4	10.1	10.2	11.0	11.2	10.6
Total gallons of diesel oil consumed ..... '000	—	—	—	—	2,271	—	200	—	—	—	2,471
Miles per gallon of diesel oil .....	—	—	—	—	5.5	—	7.2	—	—	—	5.7
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried .. '000	3,735	261	4,319	4,218	55,582	65,590	17,689	11,118	12,041	20,741	195,294
Average weight carried ..... ton	2.3	1.4	2.0	1.8	1.6	1.7	2.2	2.5	1.8	1.5	1.7
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	23,133	2,128	38,129	39,140	598,278	603,014	178,893	74,464	130,581	163,404	1,851,164
Average net ton miles per truck .....	4,100	1,800	3,700	4,900	6,200	4,200	6,300	5,400	4,700	2,700	4,700
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	69,631	6,878	99,089	124,003	1,967,462	2,003,187	580,017	217,053	396,968	622,393	6,086,681
Average capacity ton miles per truck .....	12,300	5,900	9,700	15,500	20,300	13,900	20,300	15,600	14,400	10,400	15,400
Percentage of capacity utilized .....	33.2	30.9	38.5	31.6	30.4	30.1	30.8	34.3	32.9	26.3	30.4
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	92,726	11,587	127,550	154,322	2,643,122	2,805,929	730,507	254,515	521,213	874,319	8,215,790
Average gross ton miles per truck .....	16,300	9,900	12,500	19,300	27,300	19,500	25,500	18,300	18,900	14,600	20,700
Estimated annual population ....	5,677	1,172	10,219	8,005	96,721	144,143	28,600	13,880	27,628	60,010	396,055

TABLE 11. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled .....	'000 2,036	7,638	20,816	14,869	117,358	196,739	79,694	221,166	274,093	41,024	975,433
Average yearly mileage per truck .....	4,100	3,300	4,100	3,600	3,000	3,000	2,400	2,600	3,600	3,600	3,000
Average distance each ton was carried .....	17.5	10.6	17.8	9.0	16.3	13.8	19.2	13.0	16.2	16.2	14.7
Percentage of total mileage travelled empty .....	54.5	72.3	62.0	61.3	64.6	66.4	54.0	64.9	55.8	65.2	61.6
<b>Fuel:</b>											
Total gallons of gasoline consumed .....	'000 164	533	1,710	1,303	9,248	14,655	6,626	18,890	21,401	3,280	77,810
Miles per gallon of gasoline .....	12.4	14.3	12.2	11.4	12.7	13.4	12.0	11.7	12.8	12.5	12.5
Total gallons of diesel oil consumed .....	'000 —	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried .....	'000 40	211	445	1,041	2,411	4,364	3,038	13,560	8,527	900	34,537
Average weight carried .....	ton 0.8	1.1	1.0	1.6	0.9	0.9	1.6	2.3	1.1	1.0	1.4
<b>Net ton miles:</b>											
Total net ton-miles performed .....	'000 699	2,246	7,917	9,373	39,331	60,363	58,297	176,594	137,974	14,574	507,368
Average net ton miles per truck .....	1,400	1,000	1,600	2,200	1,000	900	1,700	2,100	1,800	1,300	1,600
<b>Capacity ton miles:</b>											
Total capacity ton miles .....	'000 2,433	8,216	30,627	32,349	152,534	261,047	167,135	565,609	466,678	66,583	1,753,211
Average capacity ton miles per truck .....	4,800	3,500	6,000	7,800	3,900	3,900	5,000	6,600	6,100	5,800	5,400
Percentage of capacity utilized .....	28.8	27.3	25.8	29.0	25.8	23.1	34.9	31.2	29.6	21.9	28.9
<b>Gross ton miles:</b>											
Total gross ton miles .....	'000 4,699	14,808	51,754	47,643	255,525	441,847	251,415	791,598	677,063	102,601	2,638,953
Average gross ton miles per truck .....	9,400	6,400	10,100	11,400	6,500	6,600	7,500	9,200	8,900	8,900	8,100
Estimated annual population .....	502	2,327	5,105	4,170	39,200	66,499	33,700	85,600	76,200	11,547	324,850

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1962

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
From:										
Atlantic Provinces .....	—	41	16	—	—	—	—	—	22	79
Quebec .....	52	—	709	34	—	79	—	—	164	1,038
Ontario .....	25	851	—	154	23	119	18	—	461	1,651
Manitoba .....	—	35	218	—	227	123	5	—	5	613
Saskatchewan .....	—	2	6	295	—	80	4	—	4	391
Alberta .....	—	82	62	110	169	—	271	40	22	756
British Columbia .....	—	6	31	6	11	221	—	29	394	698
Yukon and Northwest Territories .....	—	—	—	—	—	6	13	—	—	19
United States .....	6	116	400	11	5	26	107	—	—	671
<b>Totals .....</b>	<b>83</b>	<b>1,133</b>	<b>1,442</b>	<b>610</b>	<b>435</b>	<b>654</b>	<b>418</b>	<b>69</b>	<b>1,072</b>	<b>5,916</b>
Private intercity										
'000 tons										
From:										
Atlantic Provinces .....	—	22	1	—	—	—	—	—	123	146
Quebec .....	17	—	327	1	—	1	—	—	242	588
Ontario .....	2	269	—	10	2	1	—	—	233	522
Manitoba .....	—	1	32	—	37	3	—	—	26	99
Saskatchewan .....	—	—	—	29	—	11	4	—	8	52
Alberta .....	—	—	—	—	24	—	60	—	2	88
British Columbia .....	—	—	2	—	4	47	—	78	114	245
Yukon and Northwest Territories .....	—	—	—	—	—	—	17	—	—	17
United States .....	31	79	276	8	5	8	20	—	—	427
<b>Totals .....</b>	<b>50</b>	<b>371</b>	<b>638</b>	<b>48</b>	<b>72</b>	<b>71</b>	<b>101</b>	<b>80</b>	<b>753</b>	<b>2,184</b>

TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	143	5,088	22,959	4.5	160.6	2,715	11.8
30,001 - 50,000 lb. ....	628	33,014	283,344	8.6	451.2	19,558	6.9
50,001 lb. and over .....	5,145	190,740	2,985,370	15.7	580.2	95,836	3.2
<b>Totals .....</b>	<b>5,916</b>	<b>228,842</b>	<b>3,291,673</b>	<b>14.4</b>	<b>556.4</b>	<b>118,109</b>	<b>3.6</b>
	Private Intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	242	14,852	19,891	1.3			82.2
20,001 - 30,000 lb. ....	258	5,331	27,163	5.1			105.3
30,001 - 50,000 lb. ....	461	8,392	74,045	8.8			160.6
50,001 lb. and over .....	1,223	23,817	373,998	15.7			305.8
<b>Totals .....</b>	<b>2,184</b>	<b>52,392</b>	<b>495,097</b>	<b>9.4</b>			<b>226.7</b>

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	118	4,104	49,131	12.0	416.4	1,994	4.1
Food, feed, beverages and tobacco .....	981	54,121	816,315	15.1	832.1	21,800	2.7
Crude materials, inedible .....	482	7,329	123,603	16.9	256.4	3,525	2.9
Fabricated materials, inedible .....	1,692	32,528	533,733	16.4	315.4	19,524	3.7
End products, inedible .....	676	42,582	398,740	9.4	589.9	24,177	6.1
General freight .....	1,967	88,178	1,370,151	15.5	696.6	47,089	3.4
<b>Totals .....</b>	<b>5,916</b>	<b>228,842</b>	<b>3,291,673</b>	<b>14.4</b>	<b>556.4</b>	<b>118,109</b>	<b>3.6</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals .....	27	1,270	14,662	11.5			543.0
Food, feed, beverages and tobacco .....	474	15,306	144,407	9.4			304.7
Crude materials, inedible .....	758	7,229	100,693	13.9			132.8
Fabricated materials, inedible .....	613	9,216	128,404	13.9			209.5
End products, inedible .....	199	14,148	61,242	4.3			307.7
General freight .....	113	5,223	45,689	8.7			404.3
<b>Totals .....</b>	<b>2,184</b>	<b>52,392</b>	<b>495,097</b>	<b>9.4</b>			<b>226.7</b>



## Appendix I

## Truck Population by Province, Type of Operation and Gross Vehicle Weight Group

Type of operation and gross vehicle weight	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>For hire:</b>												
0- 5,000 lb. ....	1	1	1	1	178	403	245	—	—	221	93	1,140
5,001-10,000 " .....	1	1	1	1	50	3,002	802	—	79	447	610	4,990
10,001-15,000 " .....	1	1	1	1	210	2,404	1,038	50	20	374	369	4,465
15,001-20,000 " .....	1	1	1	1	282	2,786	2,426	241	105	1,114	577	7,531
20,001-30,000 " .....	1	1	1	1	439	3,016	6,926	191	294	4,083	1,867	16,816
30,001-50,000 " .....	1	1	1	1	274	2,766	3,074	368	583	2,063	1,352	10,480
50,001 lb. and over.....	1	1	1	1	294	2,323	7,089	750	719	2,198	1,732	15,105
<b>Totals .....</b>	<b>345</b>	<b>84</b>	<b>772</b>	<b>526</b>	<b>1,727</b>	<b>16,700</b>	<b>21,600</b>	<b>1,600</b>	<b>1,800</b>	<b>10,500</b>	<b>6,600</b>	<b>60,527</b>
<b>Private — Intercity:</b>												
0- 5,000 lb. ....	1	1	1	1	6,549	8,041	29,419	—	3,992	8,643	9,822	68,466
5,001-10,000 " .....	1	1	1	1	21,406	14,998	12,857	2,079	1,998	4,847	9,508	67,693
10,001-15,000 " .....	1	1	1	1	1,553	2,603	3,266	240	279	980	586	9,507
15,001-20,000 " .....	1	1	1	1	4,152	2,872	6,428	353	638	1,496	732	16,671
20,001-30,000 " .....	1	1	1	1	2,682	5,310	7,624	439	1,339	1,035	1,729	20,164
30,001-50,000 " .....	1	1	1	1	378	3,346	2,215	157	516	272	979	7,863
50,001 lb. and over.....	1	1	1	1	170	1,209	2,449	132	258	199	787	5,204
<b>Totals .....</b>	<b>6,276</b>	<b>3,017</b>	<b>16,004</b>	<b>11,599</b>	<b>36,896</b>	<b>38,379</b>	<b>64,258</b>	<b>3,400</b>	<b>9,020</b>	<b>17,472</b>	<b>24,143</b>	<b>193,568</b>
<b>Urban:</b>												
0- 5,000 lb. ....	1	1	1	1	4,970	25,963	86,312	5,401	7,818	17,460	27,460	175,384
5,001-10,000 " .....	1	1	1	1	14,860	45,661	30,525	16,322	2,628	5,011	23,162	138,169
10,001-15,000 " .....	1	1	1	1	1,886	8,053	7,860	1,449	837	856	2,268	23,209
15,001-20,000 " .....	1	1	1	1	2,130	6,002	8,833	2,806	1,011	2,127	2,908	25,817
20,001-30,000 " .....	1	1	1	1	1,020	6,238	6,735	1,429	903	1,281	2,868	20,474
30,001-50,000 " .....	1	1	1	1	207	4,804	3,878	1,193	683	893	1,344	13,002
50,001 lb. and over.....	1	1	1	1	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>5,677</b>	<b>1,172</b>	<b>10,219</b>	<b>8,005</b>	<b>25,073</b>	<b>96,721</b>	<b>144,143</b>	<b>28,600</b>	<b>13,880</b>	<b>27,628</b>	<b>60,010</b>	<b>396,055</b>
<b>Farm:</b>												
0- 5,000 lb. ....	1	1	1	1	2,118	18,239	48,869	2,076	17,379	36,446	4,410	129,537
5,001-10,000 " .....	1	1	1	1	8,774	18,539	14,563	23,300	36,079	20,714	5,512	127,481
10,001-15,000 " .....	1	1	1	1	708	1,849	1,404	4,247	11,458	3,749	624	24,039
15,001-20,000 " .....	1	1	1	1	387	500	1,119	3,245	12,613	12,294	565	30,723
20,001-30,000 " .....	1	1	1	1	111	73	537	721	7,788	2,927	426	12,583
30,001-50,000 " .....	1	1	1	1	6	—	7	111	283	70	10	487
50,001 lb. and over.....	1	1	1	1	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>502</b>	<b>2,327</b>	<b>5,105</b>	<b>4,170</b>	<b>12,104</b>	<b>39,200</b>	<b>66,499</b>	<b>33,700</b>	<b>85,600</b>	<b>76,200</b>	<b>11,547</b>	<b>324,850</b>
<b>All trucks:</b>												
0- 5,000 lb. ....	1	1	1	1	13,815	52,646	164,845	7,477	29,189	62,770	41,785	372,527
5,001-10,000 " .....	1	1	1	1	45,090	82,200	58,747	41,701	40,784	31,019	38,792	338,333
10,001-15,000 " .....	1	1	1	1	4,357	14,909	13,568	5,986	12,594	5,959	3,847	61,220
15,001-20,000 " .....	1	1	1	1	6,951	12,160	18,806	6,645	14,367	17,031	4,782	80,742
20,001-30,000 " .....	1	1	1	1	4,258	14,637	21,822	2,780	10,324	9,326	6,890	70,037
30,001-50,000 " .....	1	1	1	1	865	10,916	9,174	1,829	2,065	3,298	3,685	31,832
50,001 lb. and over.....	1	1	1	1	464	3,532	9,538	882	977	2,397	2,519	20,309
<b>Totals .....</b>	<b>12,800</b>	<b>6,600</b>	<b>32,100</b>	<b>24,300</b>	<b>75,800</b>	<b>191,000</b>	<b>296,500</b>	<b>67,300</b>	<b>110,300</b>	<b>131,800</b>	<b>102,300</b>	<b>975,000</b>

<sup>1</sup> Population estimates by gross vehicle weight group are not considered sufficiently reliable.

## APPENDIX II

## Truck Population by Type of Motive Power, Class of Operation and Province (Including Tractors)

Type of motive power	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
	per cent					
Gasoline <sup>1</sup> :						
For hire .....	2.7	1.3	2.3	1.8	8.1	
Private: Intercity .....	49.0	45.7	49.9	47.7	19.7	
Urban .....	44.4	17.8	31.8	32.9	50.1	
Farm .....	3.9	35.2	15.9	17.2	20.5	
Totals .....	100.0	100.0	99.9	99.6	98.4	
Diesel:						
For hire .....	—	—	0.1	0.4	0.7	
Private: Intercity .....	—	—	—	—	0.4	
Urban .....	—	—	—	—	0.5	
Farm .....	—	—	—	—	—	
Totals .....	—	—	0.1	0.4	1.6	
All types:						
For hire .....	2.7	1.3	2.4	2.2	8.8	
Private: Intercity .....	49.0	45.7	49.9	47.7	20.1	
Urban .....	44.4	17.8	31.8	32.9	50.6	
Farm .....	3.9	35.2	15.9	17.2	20.5	
Totals .....	100.0	100.0	100.0	100.0	100.0	
Estimated truck population .....	12,800	6,600	32,100	24,300	191,000	
	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Canada
	per cent					
Gasoline <sup>1</sup> :						
For hire .....	6.6	1.6	1.2	6.8	5.3	5.5
Private: Intercity .....	21.4	4.9	8.1	13.1	22.9	19.6
Urban .....	48.6	42.4	12.6	21.0	58.7	40.5
Farm .....	22.4	50.1	77.6	57.8	11.3	33.3
Totals .....	99.0	99.0	99.5	98.7	98.2	98.9
Diesel:						
For hire .....	0.7	0.8	0.4	1.2	1.1	0.7
Private: Intercity .....	0.3	0.1	0.1	0.1	0.7	0.3
Urban .....	—	0.1	—	—	—	0.1
Farm .....	—	—	—	—	—	—
Totals .....	1.0	1.0	0.5	1.3	1.8	1.1
All types:						
For hire .....	7.3	2.4	1.6	8.0	6.4	6.2
Private: Intercity .....	21.7	5.0	8.2	13.2	23.6	19.9
Urban .....	48.6	42.5	12.6	21.0	58.7	40.6
Farm .....	22.4	50.1	77.6	57.8	11.3	33.3
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0
Estimated truck population .....	296,500	67,300	110,300	131,800	102,300	975,000

<sup>1</sup> Includes an insignificant number of power units burning liquified petroleum gases in Alberta and British Columbia.

## Appendix III.

## Truck and Tractor-Trailer Population by Model and Province

Model	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Canada	
	per cent											No.
	Trucks and tractor-trailer combinations											
Pickup, express, panel, sedan delivery, jeep, utility .....	68.2	64.6	65.2	59.5	55.0	62.4	54.2	47.1	58.7	67.8	58.9	573,736
Metro .....	—	0.2	1.4	0.3	2.2	0.9	0.9	0.5	0.3	1.8	1.1	10,831
Van .....	5.2	4.1	5.0	5.5	3.5	8.6	4.9	1.7	4.5	7.2	5.6	54,468
Platform, stake, flatdeck .....	14.8	9.5	10.5	15.7	7.3	14.1	8.6	2.6	5.0	9.1	9.2	89,882
Mixer .....	0.4	—	0.1	<sup>1</sup>	0.5	0.5	0.4	0.1	0.4	0.4	0.4	3,963
Dump .....	6.0	4.4	4.4	5.9	4.5	4.7	4.2	2.9	3.0	2.7	4.0	39,265
Tank .....	1.3	2.2	1.2	3.0	2.6	2.1	1.9	1.8	1.8	2.1	2.1	20,342
Box .....	2.3	4.7	4.1	3.0	7.1	0.4	18.6	31.4	17.5	1.1	9.1	88,741
Bulk carrier .....	0.1	0.1	0.2	0.5	0.2	0.3	0.2	0.2	0.4	0.6	0.3	2,865
Mechanically refrigerated .....	0.3	0.2	0.6	0.9	0.4	0.5	0.1	0.2	0.2	0.4	0.4	3,652
Other .....	0.1	0.1	0.3	0.9	0.4	0.7	0.2	0.3	0.6	0.9	0.5	5,487
Not stated .....	1.3	9.9	7.0	4.8	16.3	4.8	5.8	11.2	7.6	5.9	8.4	81,768
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks and tractors	12,800	6,600	32,100	24,300	191,000	296,500	67,300	110,300	131,800	102,300		975,000
	Trucks											
Pickup, express, panel, sedan delivery, jeep, utility .....	68.2	64.6	66.2	60.6	56.8	65.8	55.6	48.2	60.7	70.2	60.9	573,435
Metro .....	—	0.2	1.4	0.4	2.2	1.0	0.9	0.5	0.3	1.9	1.2	10,831
Van .....	5.2	4.1	4.7	5.3	3.0	8.4	4.4	1.3	4.0	7.0	5.2	48,982
Platform, stake, flatdeck .....	14.8	9.5	10.5	15.7	7.2	14.2	8.5	2.2	4.7	8.8	9.1	85,575
Mixer .....	0.4	—	0.1	<sup>1</sup>	0.5	0.6	0.4	0.1	0.4	0.4	0.4	3,893
Dump .....	6.0	4.4	4.5	5.9	4.6	4.8	4.3	2.9	3.0	2.8	4.1	38,238
Tank .....	1.3	2.2	1.0	2.8	2.3	1.8	1.7	1.6	1.4	1.9	1.8	17,160
Box .....	2.3	4.7	4.2	2.9	7.3	0.4	19.0	32.1	18.1	1.1	9.4	88,533
Bulk carrier .....	0.1	0.1	0.2	0.3	0.2	0.1	0.1	<sup>1</sup>	0.3	0.2	0.2	1,351
Mechanically refrigerated .....	0.3	0.2	0.5	0.8	0.4	0.4	0.1	0.2	0.1	0.4	0.3	3,096
Other .....	0.1	0.1	0.3	0.8	0.2	0.2	<sup>1</sup>	0.1	0.1	0.3	0.2	1,991
Not stated .....	1.3	9.9	6.4	4.5	15.3	2.3	5.0	10.8	6.9	5.0	7.2	67,552
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks	12,800	6,600	31,616	23,883	184,908	281,062	65,602	107,961	127,501	98,704		940,637
	Tractor-trailer combinations											
Express, utility .....			—	—	3.7	0.3	0.3	—	0.4	—	0.9	301
Van .....			17.4	19.7	18.6	12.2	25.4	18.8	22.0	13.6	16.0	5,486
Platform, stake, flatdeck .....			6.6	15.6	9.3	12.5	10.6	16.8	13.0	16.3	12.5	4,307
Dump .....			2.3	2.4	2.4	3.8	2.5	4.2	2.3	0.7	3.0	1,027
Tank .....			11.0	15.8	10.6	6.7	9.3	12.4	14.0	9.2	9.2	3,182
Box .....			0.6	4.1	1.0	0.2	1.6	1.7	0.7	0.2	0.6	208
Pole or logging .....			0.8	0.5	0.4	0.7	0.4	1.1	1.2	7.0	1.4	470
Lowbed .....	<sup>2</sup>	<sup>2</sup>	7.8	2.4	2.6	3.1	5.2	3.6	3.8	9.7	4.0	1,363
Auto carrier .....			2.5	6.0	2.3	6.2	4.4	5.3	4.9	1.9	4.7	1,614
Bulk carrier .....			1.2	10.5	1.8	3.7	4.4	4.8	4.6	11.3	4.4	1,514
Mechanically refrigerated .....			2.3	2.6	1.0	1.3	1.3	1.4	3.5	1.7	1.6	556
Other .....			—	—	0.7	0.2	—	0.3	0.9	—	0.3	119
Not stated .....			47.5	20.4	45.6	49.1	34.6	29.6	28.7	28.4	41.4	14,216
Totals .....			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of tractors			484	417	6,092	15,438	1,698	2,339	4,299	3,596		34,363

<sup>1</sup> Less than .05 per cent.<sup>2</sup> Included with trucks.



**Appendix IV**  
**Truck Population by Year of Manufacture and Province**

Year of manufacture	New found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British <sup>1</sup> Columbia	Canada <sup>2</sup>	No.
	per cent											
Prior to 1950 .....	1.3	3.5	7.0	8.1	5.5	7.7	18.3	19.9	9.7	—	9.8	85,208
1950 .....	0.8	2.6	3.4	1.9	3.3	4.9	8.4	9.5	7.1	—	5.5	48,096
1951 .....	1.3	4.1	2.4	4.7	4.7	4.7	7.1	8.4	6.8	—	5.5	48,259
1952 .....	3.5	6.7	4.6	5.4	5.2	6.1	9.2	13.6	7.7	—	7.2	63,056
1953 .....	4.1	7.3	6.8	5.4	5.1	6.5	8.5	8.6	7.6	—	6.7	58,684
1954 .....	5.9	5.5	6.6	4.1	4.4	5.9	2.7	4.0	5.3	—	5.0	43,514
1955 .....	7.8	5.8	7.8	8.2	6.8	7.0	4.6	2.2	4.7	—	5.9	51,208
1956 .....	12.8	7.0	8.8	8.9	9.6	9.8	6.4	4.6	7.7	—	8.5	73,990
1957 .....	10.3	11.9	8.1	9.1	9.1	8.1	4.9	5.1	7.4	—	7.7	67,068
1958 .....	7.8	8.8	8.9	7.3	8.3	7.3	6.5	4.8	6.6	—	7.1	62,178
1959 .....	11.7	11.6	8.7	9.4	10.3	10.3	7.8	6.1	8.3	—	9.2	80,372
1960 .....	13.4	14.7	10.4	10.9	11.5	10.5	7.7	6.1	8.5	—	9.7	84,788
1961 .....	12.2	7.4	10.1	10.8	10.8	7.4	4.7	5.4	7.3	—	7.9	69,129
1962 .....	6.1	3.1	6.2	5.4	5.2	3.6	2.2	1.2	5.0	—	4.0	34,515
Not stated .....	1.0	—	0.2	0.4	0.2	0.2	1.0	0.5	0.3	—	0.3	2,635
<b>Totals .....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>—</b>	<b>100.0</b>	
Estimated population .....	12,800	6,600	32,100	24,300	191,000	296,500	67,300	110,300	131,800	—		872,700

<sup>1</sup> Year of manufacture not available.<sup>2</sup> Excludes British Columbia.

**Appendix V**  
**Private Intercity and Urban Truck Population by Industry and Province**

Industry	New found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	No.
	per cent											
Forestry .....	2.8	0.3	2.5	4.8	1.2	0.7	0.2	0.3	0.1	1.7	1.1	6,515
Fishing .....	2.6	6.0	2.1	1.1	0.1	0.3	0.3	—	0.1	0.3	0.5	2,612
Mining .....	0.7	—	0.2	0.1	0.4	0.1	0.4	0.1	0.3	0.5	0.3	1,604
Manufacturing .....	1.6	1.5	1.6	2.3	4.3	4.6	3.9	2.0	2.6	1.6	3.5	20,676
Construction .....	5.1	5.2	5.8	5.9	9.0	7.8	10.1	9.8	9.8	7.1	8.1	47,836
Utilities .....	2.6	0.7	3.9	2.7	4.0	4.3	2.2	6.8	4.0	4.3	4.1	24,007
Wholesale trade .....	9.8	6.8	10.0	13.8	11.9	10.6	8.5	7.9	8.4	6.9	10.0	59,176
Retail trade .....	10.2	10.3	13.6	10.7	20.3	16.8	15.9	17.3	14.3	10.3	15.9	93,965
Services .....	3.1	8.9	6.3	6.4	12.6	17.5	16.6	16.2	20.7	8.7	14.1	82,802
Other (including personal transportation) .....	55.1	55.0	46.8	44.1	28.7	31.6	37.8	32.9	36.2	52.4	36.3	214,327
Not stated .....	6.4	5.3	7.2	8.1	7.5	5.7	4.1	6.7	3.5	6.2	6.1	36,103
<b>Totals .....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	
Estimated truck population .....	11,953	4,189	26,223	19,604	135,100	208,401	32,000	22,900	45,100	84,153		589,623

**Appendix VI**  
**Survey Response, by Type of Operation and Province**

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	171	69	499	471	4,742	9,620	843	976	4,652	2,169	24,212
Private:											
Intercity .....	1,892	775	2,735	2,186	6,190	10,438	609	1,781	2,091	3,118	31,815
Urban .....	1,881	534	1,929	1,642	9,449	12,075	2,861	1,866	2,497	4,977	39,711
Farm .....	116	494	330	569	1,356	2,521	1,369	3,514	3,171	952	14,392
Totals .....	4,060	1,872	5,493	4,868	21,737	34,654	5,682	8,137	12,411	11,216	110,130
Number of questionnaires returned completed											
For hire .....	61	15	183	196	2,488	4,338	474	506	1,417	1,107	10,785
Private:											
Intercity .....	688	186	1,047	787	2,701	4,686	343	625	915	1,209	13,187
Urban .....	717	126	765	583	4,134	5,320	1,082	677	833	1,891	16,128
Farm .....	43	129	131	140	561	1,087	313	740	909	342	4,395
Totals .....	1,509	456	2,126	1,706	9,884	15,431	2,212	2,548	4,074	4,549	44,495
Number of sampled trucks reported not in use during survey week											
For hire .....	53	19	179	126	905	2,366	152	192	1,249	448	5,689
Private:											
Intercity .....	547	212	865	673	1,936	2,837	127	534	646	854	9,231
Urban .....	502	137	540	486	2,816	3,385	787	544	754	1,439	11,390
Farm .....	30	109	87	180	371	677	607	1,550	1,190	305	5,106
Totals .....	1,132	477	1,671	1,465	6,028	9,265	1,673	2,820	3,839	3,046	31,416
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	57	35	137	149	1,349	2,916	217	278	1,986	614	7,738
Private:											
Intercity .....	657	377	823	726	1,553	2,915	139	622	530	1,055	9,397
Urban .....	662	271	624	573	2,499	3,370	992	645	910	1,647	12,193
Farm .....	43	256	112	249	424	757	449	1,224	1,072	305	4,891
Totals .....	1,419	939	1,696	1,697	5,825	9,958	1,797	2,769	4,498	3,621	34,219

**Appendix VII**  
**Commodity Classification**

Live animals Cattle Live animals, n.e.s. <sup>1</sup>	Crude materials, inedible — Concluded Sand and gravel Stone, crude Crude non-metallic minerals, except coal and petroleum, n.e.s. Crude materials, inedible, n.e.s.
Food, feed, beverages and tobacco Meat and meat preparations Dairy produce, eggs and honey Cereals unmilled (including grain) Grain, flour, meal and cereal preparations, n.e.s. Fruits and fruit preparations Vegetables and vegetable preparations Fodder and feed, except unmilled cereals Non-alcoholic beverages Ale, beer, stout and porter Tobacco Food, feed, beverages and tobacco, n.e.s.	Fabricated materials, inedible Sawmill products Wood fabricated materials, n.e.s. Paper and paperboard Oils, fats, waxes, extracts and derivatives, animal and vegetable Inorganic and organic chemicals Chemical products Gasoline Fuel oil Petroleum and coal products, n.e.s. Iron and steel and alloys and metal fabricated basic products Cement and concrete basic products Non-metallic mineral basic products, n.e.s. Fabricated materials, inedible, n.e.s.
Crude materials, inedible Logs, round and roughly squared Round timber Pulpwood Fuelwood, n.e.s. Crude wood materials, n.e.s. Ores, concentrates and precipitates Coal Coal, crude petroleum and related crude products, n.e.s.	End products, inedible Machinery Passenger automobiles and chassis Motor vehicle engines, accessories, parts and assemblies End products, inedible, n.e.s.  General freight

<sup>1</sup> n.e.s. - not elsewhere specified.

**Appendix VIII**  
**Description of Vehicle Classifications**

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

**For hire trucks**

Atlantic provinces:  
No separate licence—

Newfoundland—trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island—trucks operated for compensation on intercity routes and/or in urban areas.

New Brunswick—trucks owned by companies or individuals licensed by the Motor Carrier Board.

Quebec:  
"L" licensed vehicles—operated for compensation in intercity or urban service.

Ontario:  
Public Commercial Vehicles (P.C.V.)—operated for compensation outside urban areas (rural and intercity routes).

Manitoba:  
Public Service Vehicles (P.S.V.)—operated for compensation beyond 15 miles radius of place of registration.

Saskatchewan:  
"A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

Alberta:  
"E" and "P" licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

British Columbia:  
"E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

**Private intercity trucks**

Atlantic provinces:  
No separate licence—trucks operated on intercity routes.

Quebec:  
No separate licence—trucks with "F" licences operated outside urban areas.

Ontario:  
No separate licence—private non-farm trucks operated outside urban areas.

Manitoba:  
"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

Saskatchewan:  
No separate licence—trucks with "C" or "D" licences operated outside urban areas.

**Private intercity trucks—Concluded**

Alberta:  
"C" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

British Columbia:  
No separate licence—private non-farm trucks operated beyond urban areas.

**Private urban trucks**

Atlantic provinces:  
No separate licence—trucks operated in urban areas.

Quebec:  
No separate licence—trucks with "F" licences operated in urban areas.

Ontario:  
No separate licence—trucks operated only in urban areas.

Manitoba:  
"T" and "DC" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

Saskatchewan:  
No separate licence—trucks with "C" or "D" licences operated within urban areas.

Alberta:  
"U" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

British Columbia:  
No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks**

Atlantic provinces:  
Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

Quebec:  
"N" licensed vehicles—owned and operated by a farmer.

Ontario:  
No separate licence—trucks owned and operated by a farmer.

Manitoba:  
"FT" licensed vehicles—trucks owned and operated by a farmer.

Saskatchewan:  
"F" licensed vehicles—trucks owned and operated by a farmer.

Alberta:  
"F" licensed vehicles—trucks owned and operated by a farmer.

British Columbia:  
Trucks owned and operated by a farmer including those with special farm licence.



## TRUCK TRAFFIC QUESTIONNAIRE

DOMINION BUREAU OF STATISTICS, OTTAWA

Transportation Section

Appendix IX

See Instructions on page 6

This questionnaire is for the following vehicle only:

To be completed by all vehicle operators regardless of the purpose for which vehicle is used - and to be returned at end of Survey Week.

Please answer those sections which apply to your operations for ONE WEEK ONLY.

Serial No. \_\_\_\_\_

Licence No. \_\_\_\_\_

begin  
SUNDAY  
morning

end  
SATURDAY  
midnight

## I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☐ one):

- ☐ (a) as a common carrier  
☐ (b) as a contract carrier } for revenue earning purposes?  
☐ (c) to carry or distribute own or company goods in urban areas (within 5 miles of city or town limits)?  
☐ (d) to carry or distribute own or company goods over highways or rural roads?  
☐ (e) by a farmer to carry goods to and from the farm?  
☐ (f) for personal transportation (with no load)?

2. If you have checked ☐ either 1 (c) or 1 (d) above, please indicate below the industry or activity with which this vehicle is usually associated:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 1 Forestry      | <input type="checkbox"/> 5 Construction               | <input type="checkbox"/> 9 Services (such as laundries, radio & T.V. repair, plumbing, etc.) |
| <input type="checkbox"/> 2 Fishing       | <input type="checkbox"/> 6 Utilities or communication | <input type="checkbox"/> 10 Other  |
| <input type="checkbox"/> 3 Mining        | <input type="checkbox"/> 7 Wholesale trade            | Please state _____   |
| <input type="checkbox"/> 4 Manufacturing | <input type="checkbox"/> 8 Retail trade               |  |

3. Is this vehicle licensed in more than one province? ☐ 1 Yes ☐ 2 No

4. If yes, which provinces? ☐ 1 Newfoundland ☐ 5 Quebec ☐ 9 Alberta
- ☐ 2 Prince Edward Island ☐ 6 Ontario ☐ 10 British Columbia
- ☐ 3 Nova Scotia ☐ 7 Manitoba ☐ 11 Yukon
- ☐ 4 New Brunswick ☐ 8 Saskatchewan ☐ 12 N.W.T.

5. Is this vehicle licensed in the United States? ☐ 1 Yes ☐ 2 No6. Model (check ☐ one)

- |  |  |                                      |   |  |
|--|--|--------------------------------------|---|--|
| <input type="checkbox"/> 1 Pickup                        | <input type="checkbox"/> 5 Station wagon | <input type="checkbox"/> 9 Van       | <input type="checkbox"/> 13 Dump            | <input type="checkbox"/> 17 Flatdeck     |
| <input type="checkbox"/> 2 Express                       | <input type="checkbox"/> 6 Jeep          | <input type="checkbox"/> 10 Platform | <input type="checkbox"/> 14 Tank            | <input type="checkbox"/> 18 Lowbed       |
| <input type="checkbox"/> 3 Panel                         | <input type="checkbox"/> 7 Utility       | <input type="checkbox"/> 11 Stake    | <input type="checkbox"/> 15 Box             | <input type="checkbox"/> 19 Auto carrier |
| <input type="checkbox"/> 4 Sedan delivery                | <input type="checkbox"/> 8 Metro         | <input type="checkbox"/> 12 Mixer    | <input type="checkbox"/> 16 Pole or logging | <input type="checkbox"/> 20 Bulk carrier |
| <input type="checkbox"/> 21 Mechanically refrigerated    |  |                                      |   |  |
| <input type="checkbox"/> 22 Other, please describe _____ |  |                                      |   |  |

7. Is this a tractor-trailer combination? ☐ 1 Yes ☐ 2 No8. Number of axles on truck or tractor-trailer combination (check ☐ one):

- ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 and over

9. What is the maximum gross weight\* of the truck or tractor-trailer combination?

\_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

10. If this vehicle was not operated during the Survey Week, please state reason:

\_\_\_\_\_

11. Gallons of fuel used during Survey Week:

- ☐ 1 Gasoline .....
- ☐ 2 Diesel .....
- ☐ 3 Other .....

gallons	
Imperial	U.S.

12. Total miles travelled during Survey Week .....  
 (Speedometer reading at end of week minus speedometer reading at beginning of week. If speedometer is not working, please estimate total mileage for the seven day period.)

miles

**II. URBAN OPERATIONS**

— are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported in Section III)

1. If this vehicle was used predominantly in an urban area during the Survey Week, please state the name of the city or town. ....

2. Total miles travelled in Urban Areas during Survey Week: .....

3. How many of the miles reported in 2 above were travelled with a load? .....

4. Average load carried per trip by this vehicle during the Survey Week in Urban Areas .....

5. Total weight of goods loaded in urban areas during Survey Week:

Sunday .....	pounds	Wednesday .....	pounds
Monday .....	"	Thursday .....	"
Tuesday .....	"	Friday .....	"
Saturday .....	pounds		
		Total .....	pounds

6. What kinds of goods did you carry? .....

7. If this vehicle is a for-hire (common or contract) carrier, what revenue was received for urban services performed during the Survey Week? ..... \$ .....

**III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS**

i.e., operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. Include urban portion of intercity or rural trips. Rural operations refer to traffic performed on public roads by farmers to and from farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip	
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines	
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm	
3. One-way mileage	350	350	23	23	
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8	
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500	
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500	
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500	
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies	
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil	
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable	
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable	
12. Day of week	Mon.	Tues.	Mon.	Mon.	

## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4	ONE-WAY TRIP NO. 5
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

**Remarks:** Please make any comments which you think will help us to understand your report.

## INSTRUCTIONS - PLEASE READ CAREFULLY

## Identification of Vehicle

Information contained in the large rectangle on the front page identifies the particular vehicle selected for this survey by gross vehicle weight, tare weight, make, year, and licence number, etc. **N.B. Please do not substitute any other vehicle for the one indicated.**

## Method of Selection

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle.

## Tractors

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-27054 or 9-24275) or contact one of the Regional Offices listed below.

City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg.	
	(P.O. Box 5785)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	UN 6-8008
Toronto, Ont.	36 Adelaide St. E.	EM 2-6211 (Local 2434)
Winnipeg, Man.	269 Main St., Federal Bldg.	WH 3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA 4-0251 (Local 259)
Vancouver, B.C.	Room 404, 326 Howe St.,	MU 1-5288

## Units of Measure

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

## If Vehicle did not Operate

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete questions 1 to 10 and return.

## If Vehicle Sold

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" above and return the questionnaire in the envelope provided.

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_

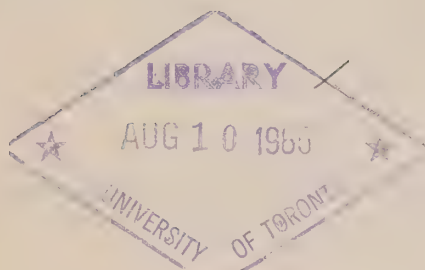






Canada. Statistics, Bureau of,

**MOTOR TRANSPORT TRAFFIC  
NATIONAL ESTIMATES  
1963**



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# MOTOR TRANSPORT TRAFFIC NATIONAL ESTIMATES 1963

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

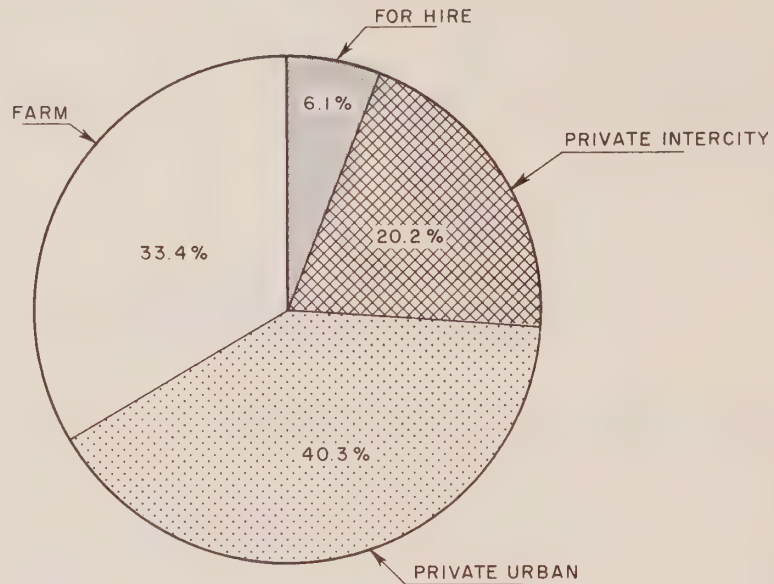


CHART-2

NET TON MILES BY TYPE OF OPERATION

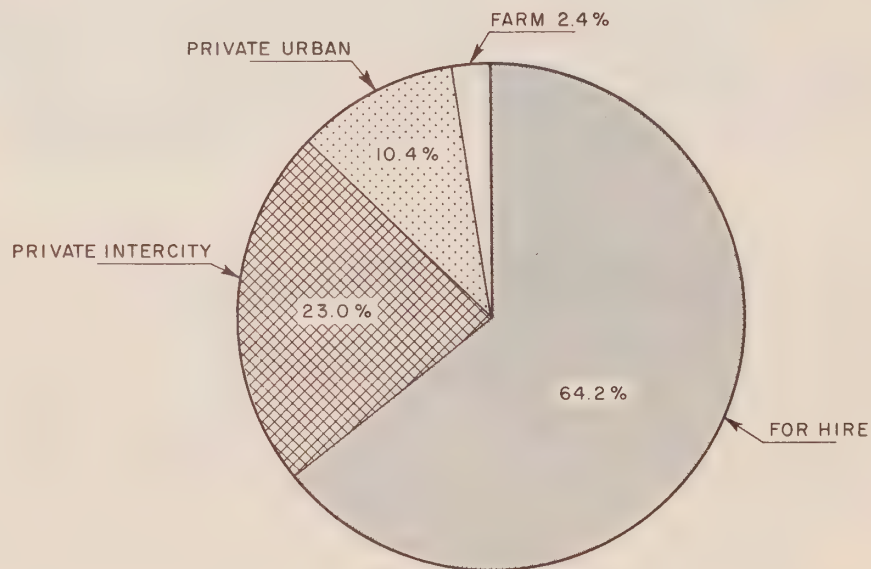
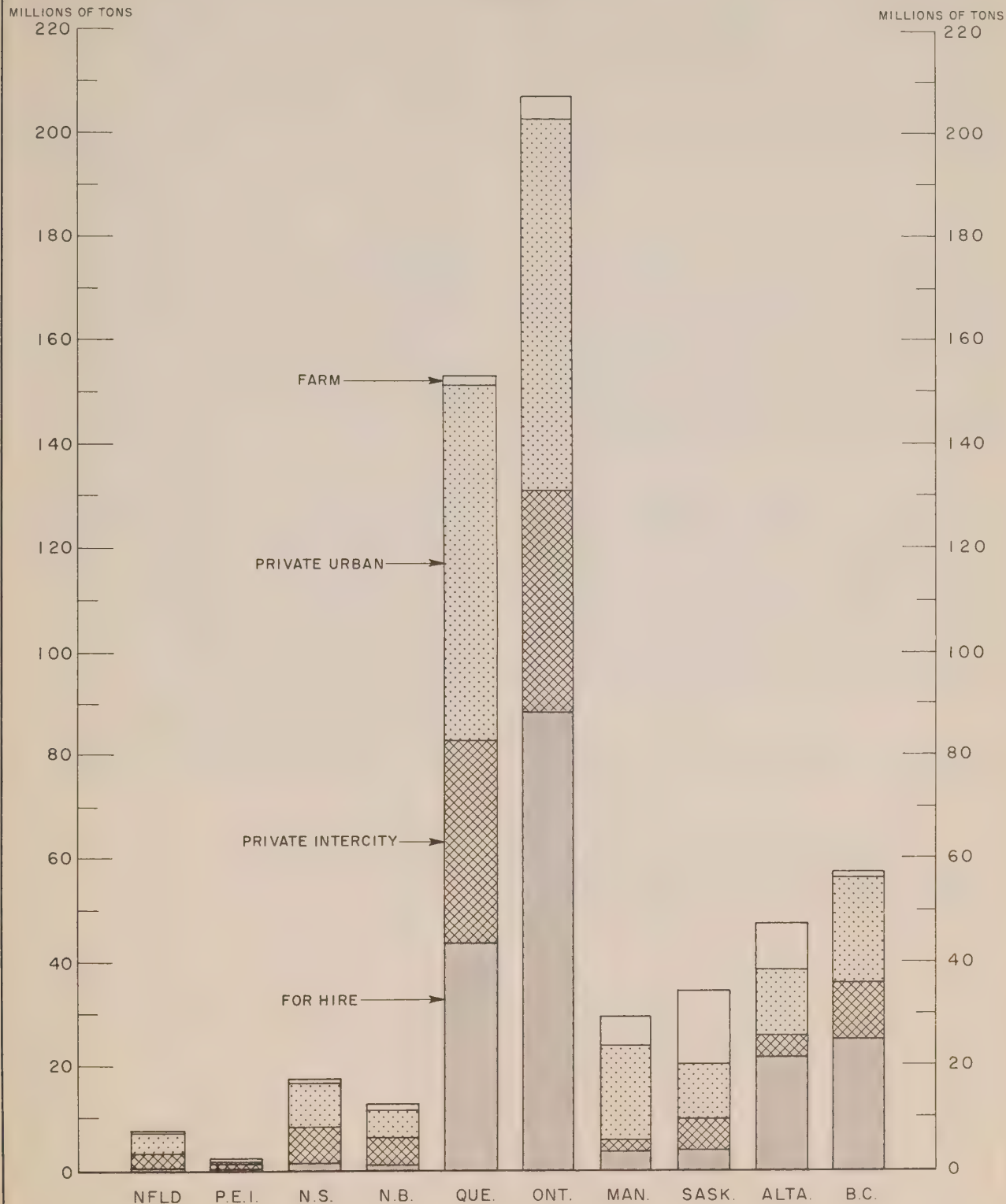


CHART-3

# TONS CARRIED BY TYPE OF OPERATION 1963







## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1963. Truck transport statistics published in provincial and regional reports for 1963 have been summarized herein.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and their affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957. A summary table has been included in this report which provides a comparison of principal statistics by function of carrier for the years 1961, 1962 and 1963. The data contained in this table should be used only as a guide to the trends in truck traffic as methods used in estimating the traffic have been improved over the years and consequently some changes in concepts have had to be made which affect the comparability of the statistics.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics. A breakdown of the commodity groupings used in this report is presented in Appendix VII. Traffic data by individual commodities while not available in the annual report are presented in the quarterly reports "Motor Transport Traffic; National Estimates", Catalogue No. 53-004.

Included in this report are additional appendices which provide further information on the truck population. The data contained in Appendix II, Truck Population by Type of Motive Power, Class of Operation and Province and Appendix III, Truck and Tractor-Trailer Population by Model and Province have been released for previous years in the Daily Bulletin. However, the analyses shown in Appendix IV, Truck Population by Year of Manufacture and Province and Appendix V, Private Intercity and Urban Truck Population by Industry and Province were presented in this report for the first time in 1962.

### Sample Selection

The 1963 national estimates of motor transport traffic in Canada are based upon a sample of approximately 12 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government-owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province are as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/32	1/16	1/4	1/4	1/4	1/4
Prince Edward Island .....	1/32	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/12	1/80	1/12	1/12	1/4	1/4
New Brunswick .....	1/8	1/80	1/12	1/12	1/4	1/4
Quebec <sup>1</sup> .....	1/144	1/144	1/24	1/24	1/6	1/6
Ontario .....	1/216	1/72	1/24	1/24	1/6	1/6
Manitoba .....	1/144	1/144	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/48)	(1/48)	(1/12)	(1/12)
Saskatchewan .....	1/72	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/72)	(1/72)	(1/36)	(1/12)
Alberta .....	1/144	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/288)	(1/144)	(1/24)	(1/72)	(1/12)	(1/12)
British Columbia .....	1/144	1/72	1/24	1/24	1/6	1/6

<sup>1</sup> Vehicles in Quebec were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm

trucks are those operated by farmers primarily to transport farm produce and supplies.

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1963 population estimates and Appendix VIII for the description of vehicle classifications in each province.)

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at totals. Current procedures in arriving at provincial and national totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.

2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.

The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.

3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary

to allocate vehicles included in current surveys in the same manner.

4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.

5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.

6. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.

7. Annual provincial totals are added together to obtain national estimates.

### Compilation of National Estimates

#### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are in transit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements.

It should be noted that 1962 saw the signing of a large number of reciprocal licensing agreements. Most of these agreements were based on full free reciprocity for certain vehicles including most of those of less than 6,000 lb. gross weight, while trucks over this weight paid the full fee in their home province and \$10.00 per ton in the province extending reciprocity. Agreements along these lines were signed by Ontario with New Brunswick, Manitoba, Saskatchewan and Alberta. Saskat-



chewan and Alberta also agreed to reciprocate on a similar basis. In 1963 Saskatchewan signed a similar agreement with Manitoba. Trucks registering at \$10.00 per ton reciprocal fee are being excluded from the truck populations of all but their home provinces. This will eliminate a considerable amount of duplication in the National Estimates. A summary of reciprocal highway agreements for trucking, current at December 31, 1963, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1963, Part I, Rates and Regulations", Catalogue No. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of the interprovincial operations reported by each operator. With the extension of reciprocal licensing agreements and the consequent decrease in duplication this procedure no longer becomes entirely adequate. If and when reciprocal licensing agreements extend to all provinces no adjustment to the reported data will be necessary. Because reciprocal agreements still do not cover all provinces it has been decided to follow the previous practice with regard to interprovincial operations and halve the data reported. This procedure will be re-examined for 1964.

Although it was necessary to reduce aggregate interprovincial data to obtain realistic national estimates it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licenses trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix VIII, which describes the vehicle classifications used in this report, will reveal these variations.

#### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1963 appears in Appendix IX.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the average load carried during the week was calculated and then multiplied by the number of miles travelled with a load to obtain net ton miles.

Average distance each ton was carried—total net ton miles divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel)—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by total miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during the year divided by the estimated annual truck population.

Capacity ton miles—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by the estimated annual truck population.

Percentage of capacity utilized—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

Gross ton miles—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for vehicles in Quebec which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by estimated annual truck population.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 to 1962.

## Review of Survey Results

The estimated population of truck and road tractors performing transportation services in Canada during the year rose 2.7 per cent to 1,001,100 from 975,000 in 1962. Of these 60,567 or 6.1 per cent were for hire vehicles; 202,711 or 20.2 per cent were private intercity vehicles; 403,092 or 40.3 per cent were private vehicles operating wholly within urban areas; and 334,730 or 33.4 per cent were farm trucks. Almost 30 per cent of the total number of trucks were registered in Ontario and one half were registered in the two provinces of Quebec and Ontario.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected, it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

### Section I. Total Truck Traffic by Canadian Registered Trucks

Total miles travelled by trucks and road tractors increased by 2.5 per cent to 7,093 million in 1963 from 6,921 million in 1962; at the same time the average mileage per truck did not change from 7,100 miles in the previous year. The average distance each ton of goods was carried decreased to 32.8 miles from 35.1 while the proportion of empty miles remained constant at one half.

Gasoline consumption was 678,394,000 gallons in 1963, an increase of .25 per cent over the 676,700,000 gallons reported in 1962. Diesel fuel consumption was up 8.2 per cent in 1963 to 109,531,000 gallons from 101,220,000 in the previous year.

The total weight of goods carried by all trucks increased between the two years to 568,385,000 tons from 525,695,000 tons and the average weight carried remained at 5.3 tons. With the increase in loaded miles travelled and tons of goods carried the total net ton miles performed rose by 1.2 per cent to 18,648,124,000 from 18,435,255,000 in 1962 while the average net ton miles per truck decreased by 1.6 per cent.

Trucks with a gross vehicle weight of 20,001 lb. and over comprised approximately one eighth of the total truck population in 1963. However, these vehicles had an average yearly mileage of almost 18,000 miles, an average load of 10.7 tons and travelled empty only 32.8 per cent of the time. Consequently these heavier trucks performed 90.7 per cent of the road transportation services of the country measured in terms of net ton miles.

Charts 1 and 2 indicate that for hire trucks and road tractors, which represented only 6.1 per cent of total registrations, performed 64.2 per cent of truck transport net ton miles. For hire vehicles carried an average load of 11.0 tons compared with an average of 5.3 tons for trucks of all types and transported each ton an average distance of 63.6 miles as against 32.8 for all four categories of trucks.

It is estimated that urban operations accounted for 6.3 per cent and 4.0 per cent of the total net ton miles performed by for hire and private intercity trucks respectively.

Some private trucks under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for 11.4 per cent of the total mileage travelled by all trucks.

### Section II. Interprovincial and International Traffic by Canadian Registered Trucks

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 5,681,000 tons of goods, of which 30 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 2,083,000 tons of goods between provinces, of which 28 per cent was moved between Quebec and Ontario.

## Appendix VI

During 1963, survey questionnaires were mailed to the owners or operators of 115,232 motor vehicles. Of this number 43,177 were returned completed and 30,774 trucks were reported not used during the

survey week. The remaining 41,281 were either returned incomplete and unusable or not returned at all.



Comparative Summary of Total Traffic of All Trucks by Type of Operation, 1961-63

	Estimated annual population	Mileage			Fuel			Weight of goods carried	
		Total mileage travelled	Average distance each ton was carried	Percentage of total mileage travelled empty	Total gallons consumed			Total tons of goods carried	Average weight carried
					Gasoline	Diesel	Other		
		'000	miles		'000	'000	'000	'000	tons
For hire:									
1961 .....	58,306	1,486,180	74.8	26.7	178,707	78,454	79	156,712	10.8
1962 .....	60,527	1,506,662	68.9	27.1	170,575	83,410	635	174,642	11.
1963 .....	60,567	1,508,850	63.6	27.5	165,945	86,478	784	188,132	11.
Private intercity:									
1961 .....	198,804	2,126,373	31.4	56.2	211,711	13,870	628	125,756	4.2
1962 .....	193,568	2,066,629	33.3	57.5	206,149	15,339	624	121,222	4.6
1963 .....	202,711	2,196,152	35.1	56.8	213,325	19,463	1,725	122,102	4.5
Private urban:									
1961 .....	370,942	2,224,047	9.7	51.4	206,197	1,802	—	196,146	1.8
1962 .....	396,055	2,371,859	9.5	53.8	222,166	2,471	—	195,294	1.7
1963 .....	403,092	2,349,600	8.9	52.5	217,660	3,590	146	219,643	1.7
Farm:									
1961 .....	314,848	923,917	13.3	63.5	72,787	—	—	33,095	1.3
1962 .....	324,850	975,433	14.7	61.6	77,810	—	—	34,537	1.4
1963 .....	334,730	1,037,976	11.6	65.7	81,464	—	—	38,508	1.3
All trucks:									
1961 .....	942,900	6,760,517	35.2	49.1	669,402	94,126	707	511,709	5.2
1962 .....	975,000	6,920,583	35.1	50.2	676,700	101,220	1,259	525,695	5.3
1963 .....	1,001,100	7,092,578	32.8	50.5	678,394	109,531	2,655	568,385	5.3
		Net ton miles		Capacity ton miles		Gross ton miles	Revenue		
		Total net ton miles performed	Average net ton miles per truck	Total capacity ton miles	Percentage of capacity utilized		Total revenue	Revenue per ton mile	Average revenue per truck
		'000		'000		'000	\$'000	¢	\$
For hire:									
1961 .....	11,716,288	200,900	20,539,624	57.0	26,234,097	722,664	6.2	12,400	
1962 .....	12,040,114	198,900	21,402,191	56.3	27,230,059	755,563	6.3	12,500	
1963 .....	11,973,864	197,700	21,808,866	54.9	27,143,850	818,919	6.8	13,500	
Private intercity:									
1961 .....	3,944,344	19,800	9,816,305	40.2	11,762,936	—	—	—	—
1962 .....	4,036,609	20,900	10,282,338	39.3	12,109,004	—	—	—	—
1963 .....	4,283,013	21,100	11,123,747	38.5	12,962,560	—	—	—	—
Private urban:									
1961 .....	1,896,802	5,100	5,511,863	34.4	7,630,203	—	—	—	—
1962 .....	1,851,164	4,700	6,086,681	30.4	8,215,790	—	—	—	—
1963 .....	1,944,283	4,800	6,376,847	30.5	8,250,568	—	—	—	—
Farm:									
1961 .....	438,614	1,400	1,645,921	26.6	2,495,266	—	—	—	—
1962 .....	507,368	1,600	1,753,211	28.9	2,638,953	—	—	—	—
1963 .....	446,964	1,300	1,799,502	24.8	2,730,910	—	—	—	—
All trucks:									
1961 .....	17,996,048	19,100	37,513,713	48.0	48,122,502	—	—	—	—
1962 .....	18,435,255	18,900	39,524,421	46.6	50,193,806	—	—	—	—
1963 .....	18,648,124	18,600	41,108,962	45.4	51,087,888	—	—	—	—



## SECTION I. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1963

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	1,508,850	2,196,152	2,349,600	1,037,976	7,092,578
Average yearly mileage per truck .....		24,900	10,800	5,800	3,100	7,100
Average distance each ton was carried .....		63.6	35.1	8.9	11.6	32.8
Percentage of total mileage travelled empty .....		27.5	56.8	52.5	65.7	50.5
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	165,945	213,325	217,660	81,464	678,394
Miles per gallon of gasoline .....		6.0	9.7	10.7	12.7	9.5
Total gallons of diesel oil consumed .....	'000	86,478	19,463	3,590	—	109,531
Miles per gallon of diesel oil .....		5.8	6.0	5.2	—	5.8
Total gallons of other fuel consumed .....	'000	784	1,725	146	—	2,655
Miles per gallon of other fuel .....		6.5	7.7	9.7	—	7.5
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	188,132	122,102	219,643	38,508	568,385
Average weight carried .....	ton	11.0	4.5	1.7	1.3	5.3
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	11,973,864	4,283,013	1,944,283	446,964	18,648,124
Average net ton miles per truck .....		197,700	21,100	4,800	1,300	18,600
<b>Capacity ton miles:</b>						
Total capacity ton miles .....	'000	21,808,866	11,123,747	6,376,847	1,799,502	41,108,962
Average capacity ton miles per truck .....		360,100	54,900	15,800	5,400	41,100
Percentage of capacity utilized .....		54.9	38.5	30.5	24.8	45.4
<b>Gross ton miles:</b>						
Total gross ton miles .....	'000	27,143,850	12,962,560	8,250,568	2,730,910	51,087,888
Average gross ton miles per truck .....		448,200	63,900	20,500	8,200	51,000
<b>Revenue:</b>						
Total revenue .....	\$'000	818,919	—	—	—	—
Revenue per ton mile .....	¢	6.8	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	54.3	—	—	—	—
Average revenue per truck .....	\$	13,500	—	—	—	—
Estimated annual population .....		60,567	202,711	403,092	334,730	1,001,100

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
<b>Mileage:</b>								
Total mileage travelled .....	'000 1,988,806	1,988,702	317,946	451,419	800,897	567,832	976,976	7,092,578
Average yearly mileage per truck .....	5,300	5,600	5,200	5,700	10,600	16,700	46,100	7,100
Average distance each ton was carried .....	15.8	15.1	13.7	13.7	14.0	17.3	126.4	32.8
Percentage of total mileage travelled empty .....	69.4	57.9	36.8	35.9	38.0	38.8	25.0	50.5
<b>Fuel:</b>								
Total gallons of gasoline consumed ....	'000 133,046	166,089	35,010	59,033	110,628	90,912	83,676	678,394
Miles per gallon of gasoline .....	14.9	12.0	9.1	7.6	7.2	5.6	4.7	9.5
Total gallons of diesel oil consumed ..	'000 —	66	20	65	133	9,159	100,088	109,531
Miles per gallon of diesel oil .....	—	9.0	9.2	8.3	5.9	6.0	5.8	5.8
Total gallons of other fuel consumed ..	'000 581	293	74	56	1,150	246	255	2,655
Miles per gallon of other fuel .....	10.2	9.9	8.6	6.8	6.2	5.1	5.9	7.5
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 9,716	30,769	22,063	59,052	176,144	181,194	89,447	568,385
Average weight carried .....	ton 0.3	0.6	1.5	2.8	5.0	9.0	15.4	5.3
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 153,459	464,011	303,195	811,549	2,470,867	3,136,644	11,308,399	18,648,124
Average net ton miles per truck .....	400	1,300	5,000	10,300	32,600	92,000	533,100	18,600
<b>Capacity ton miles:</b>								
Total capacity ton miles .....	'000 1,604,295	2,669,658	1,025,844	2,382,705	6,514,272	7,507,027	19,405,161	41,108,962
Average capacity ton miles per truck ..	4,200	7,600	16,900	30,100	85,800	220,200	914,800	41,100
Percentage of capacity utilized .....	9.6	17.4	29.6	34.1	37.9	41.8	58.3	45.4
<b>Gross ton miles:</b>								
Total gross ton miles .....	'000 3,328,600	4,682,474	1,379,952	2,621,518	6,404,689	7,847,091	24,823,564	51,087,888
Average gross ton miles per truck .....	8,800	13,300	22,800	33,100	84,400	230,200	1,170,300	51,000
Estimated annual population .....	377,909	352,186	60,654	79,158	75,893	34,088	21,212	1,001,100

TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	89,285	29,747	209,573	189,683	1,758,733	2,216,478
Average yearly mileage per truck .....	5,900	4,500	6,300	7,800	8,700	7,400
Average distance each ton was carried .....	9.8	12.8	18.7	26.2	27.5	29.2
Percentage of total mileage travelled empty .....	64.2	61.6	57.2	53.1	43.8	49.6
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	8,218	2,443	20,686	18,397	172,548	236,387
Miles per gallon of gasoline .....	10.8	12.0	9.9	9.8	9.4	8.8
Total gallons of diesel oil consumed ..... '000	136	41	805	1,527	23,671	22,110
Miles per gallon of diesel oil .....	5.6	7.3	6.8	6.1	5.6	6.2
Total gallons of other fuel consumed ..... '000	—	2	15	26	—	328
Miles per gallon of other fuel .....	—	15.0	5.9	4.4	—	6.9
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	7,505	1,551	17,269	12,861	152,980	207,263
Average weight carried ..... ton	2.3	1.7	4.1	3.8	4.3	3.4
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	73,613	19,868	323,119	336,596	4,213,997	6,052,140
Average net ton miles per truck .....	4,900	3,000	9,800	13,900	20,900	20,300
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	237,644	62,670	857,022	858,751	10,046,395	13,935,629
Average capacity ton miles per truck .....	15,700	9,500	25,900	35,500	49,800	46,700
Percentage of capacity utilized .....	31.0	31.7	37.7	39.2	41.9	43.4
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	308,380	84,496	1,056,800	1,065,585	11,217,548	16,925,694
Average gross ton miles per truck .....	20,400	12,800	31,900	44,000	55,600	56,700
Estimated annual population .....	15,100	6,600	33,100	24,200	201,600	298,600
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	440,744	480,398	948,875	729,062	7,092,578	
Average yearly mileage per truck .....	6,300	4,300	7,000	7,000	7,100	
Average distance each ton was carried .....	49.2	30.7	61.3	38.3	32.8	
Percentage of total mileage travelled empty .....	48.0	58.7	52.8	57.6	50.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	40,117	43,553	76,033	60,012	678,394	
Miles per gallon of gasoline .....	9.4	10.1	10.4	10.2	9.5	
Total gallons of diesel oil consumed ..... '000	10,239	6,613	23,697	20,692	109,531	
Miles per gallon of diesel oil .....	6.1	6.0	6.0	5.4	5.8	
Total gallons of other fuel consumed ..... '000	78	200	1,675	331	2,655	
Miles per gallon of other fuel .....	5.4	5.8	7.7	8.3	7.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	29,758	34,414	47,589	57,195	568,385	
Average weight carried ..... ton	6.4	5.3	6.5	7.1	5.3	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,462,949	1,057,906	2,917,869	2,190,067	18,648,124	
Average net ton miles per truck .....	20,800	9,400	21,600	21,100	18,600	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	2,699,476	2,459,734	5,405,600	4,546,041	41,108,962	
Average capacity ton miles per truck .....	38,300	21,800	40,000	43,800	41,100	
Percentage of capacity utilized .....	54.2	43.0	54.0	48.2	45.4	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	3,736,753	3,175,023	7,589,642	5,927,967	51,087,888	
Average gross ton miles per truck .....	53,100	28,200	56,100	57,200	51,000	
Estimated annual population .....	70,400	112,600	135,200	103,700	1,001,100	

TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	1,396	586	14,275	15,584	361,007	511,428
Average yearly mileage per truck .....	6,000	4,000	18,800	24,800	20,300	24,800
Average distance each ton was carried .....	9.6	57.8	72.7	137.8	52.7	41.5
Percentage of total mileage travelled empty ....	39.6	37.9	27.7	29.7	23.5	32.2
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	182	35	1,808	1,403	40,494	74,229
Miles per gallon of gasoline .....	7.4	8.1	6.1	6.0	6.7	5.7
Total gallons of diesel oil consumed ..... '000	6	41	479	1,195	15,834	15,022
Miles per gallon of diesel oil .....	9.0	7.3	6.8	6.0	5.6	6.1
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	63
Miles per gallon of other fuel .....	—	—	—	—	—	6.1
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	412	37	1,234	969	43,592	88,432
Average weight carried ..... ton	4.7	5.8	8.7	12.2	8.3	10.6
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	3,936	2,121	89,684	133,474	2,297,979	3,671,446
Average net ton miles per truck .....	16,900	14,500	118,200	212,200	129,100	178,200
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	9,561	6,436	184,862	233,179	4,467,076	7,437,721
Average capacity ton miles per truck .....	41,000	44,100	243,600	370,700	251,000	361,100
Percentage of capacity utilized .....	41.2	33.0	48.5	57.2	51.4	49.4
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	10,663	6,435	225,973	296,467	4,943,321	8,795,586
Average gross ton miles per truck .....	45,800	44,100	297,700	471,300	277,700	427,000
<b>Revenue:</b>						
Total revenue ..... \$'000	860	290	7,193	9,149	202,555	286,500
Revenue per ton mile ..... ¢	21.8	13.7	8.0	6.9	8.8	7.8
Revenue per mile (total mileage travelled) ..... ¢	61.6	49.6	50.4	58.7	56.1	56.0
Average revenue per truck ..... \$	3,700	2,000	9,500	14,500	11,400	13,900
Estimated annual population .....	233	146	759	629	17,800	20,600
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	96,852	74,395	267,942	165,385	1,508,850	
Average yearly mileage per truck .....	60,500	43,800	26,300	24,000	24,900	
Average distance each ton was carried .....	316.8	184.2	116.8	61.0	63.6	
Percentage of total mileage travelled empty ....	18.0	27.8	27.2	27.8	27.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	7,146	7,475	20,778	12,395	165,945	
Miles per gallon of gasoline .....	5.4	5.5	6.2	6.3	6.0	
Total gallons of diesel oil consumed ..... '000	9,570	5,577	22,605	16,149	86,478	
Miles per gallon of diesel oil .....	6.1	5.9	6.0	5.4	5.8	
Total gallons of other fuel consumed ..... '000	17	28	676	—	784	
Miles per gallon of other fuel .....	5.6	6.3	6.5	—	6.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	3,464	3,496	21,482	25,014	188,132	
Average weight carried ..... ton	13.8	12.0	12.9	12.8	11.0	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,096,577	644,127	2,509,175	1,525,345	11,973,864	
Average net ton miles per truck .....	685,400	378,900	246,000	221,100	197,700	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	1,622,568	1,172,508	4,001,431	2,673,524	21,808,866	
Average capacity ton miles per truck .....	1,014,100	689,700	392,300	387,500	360,100	
Percentage of capacity utilized .....	67.6	54.9	62.7	57.1	54.9	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	2,335,475	1,496,767	5,552,785	3,480,378	27,143,850	
Average gross ton miles per truck .....	1,459,700	880,500	544,400	504,400	448,200	
<b>Revenue:</b>						
Total revenue ..... \$'000	46,279	35,222	107,648	123,223	818,919	
Revenue per ton mile ..... ¢	4.2	5.5	4.3	8.1	6.8	
Revenue per mile (total mileage travelled) ..... ¢	47.8	47.3	40.2	74.5	54.3	
Average revenue per truck ..... \$	28,900	20,700	10,600	17,900	13,500	
Estimated annual population .....	1,600	1,700	10,200	6,900	60,567	



TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	12, 220	127, 079	228, 176	1, 8	18, 7	78, 521	34. 4	16, 576
20,001-30,000 lb. ....	68, 254	191, 598	989, 231	5, 2	14, 5	130, 197	13. 2	18, 540
30,001-50,000 " .....	48, 021	161, 702	1, 343, 738	8, 3	28, 0	137, 369	10. 2	9, 803
50,001 lb. and over .....	59, 637	612, 829	9, 412, 719	15, 4	157, 8	472, 832	5, 0	15, 648
<b>Totals .....</b>	<b>188, 132</b>	<b>1, 093, 208</b>	<b>11, 973, 864</b>	<b>11, 0</b>	<b>63, 6</b>	<b>818, 919</b>	<b>6, 8</b>	<b>60, 567</b>

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	2, 041	29, 979	213, 778	7, 1	104, 7	17, 023	8, 0
Food, feed, beverages and tobacco .....	16, 724	194, 021	2, 174, 580	11, 2	130, 0	111, 805	5, 1
Crude materials, inedible .....	91, 709	102, 071	1, 258, 089	12, 3	13, 7	76, 987	6, 1
Fabricated materials, inedible .....	35, 032	196, 472	3, 040, 277	15, 5	86, 8	163, 249	5, 4
End products, inedible .....	10, 663	205, 522	1, 484, 200	7, 2	139, 2	163, 214	11, 0
General freight .....	31, 963	365, 143	3, 802, 940	10, 4	119, 0	286, 641	7, 5
<b>Totals .....</b>	<b>188, 132</b>	<b>1, 093, 208</b>	<b>11, 973, 864</b>	<b>11, 0</b>	<b>63, 6</b>	<b>818, 919</b>	<b>6, 8</b>

TABLE 7. Private Intercity Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	47, 600	17, 849	108, 149	107, 821	532, 854	708, 645	48, 949	97, 316	258, 434	268, 535	2, 196, 152
Average yearly mileage per truck .....	7, 600	7, 200	8, 900	11, 600	13, 800	10, 600	14, 000	11, 200	11, 100	8, 500	10, 800
Average distance each ton was carried .....	18. 0	16. 4	24. 3	26. 2	32. 5	39. 1	48. 3	30. 2	40. 8	44. 0	35. 1
Percentage of total mileage travelled empty .....	67. 6	62. 4	57. 3	56. 9	50. 9	51. 6	39. 7	59. 4	69. 6	69. 7	56. 8
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	4, 561	1, 518	11, 055	10, 864	54, 369	73, 297	5, 439	9, 351	21, 020	21, 851	213, 325
Miles per gallon of gasoline .....	10. 4	11. 7	9. 6	9. 7	9. 2	9. 1	8. 5	9. 6	11. 6	11. 1	9. 7
Total gallons of diesel oil consumed ..... '000	61	—	285	331	5, 560	6, 447	409	1, 012	890	4, 468	19, 463
Miles per gallon of diesel oil .....	4. 5	—	7. 0	6. 4	6. 0	6. 4	5. 8	6. 5	5. 9	5. 4	6. 0
Total gallons of other fuel consumed ..... '000	—	2	15	26	—	265	61	172	999	185	1, 725
Miles per gallon of other fuel .....	—	15. 0	5. 9	4. 4	—	7. 1	5. 3	5. 8	8. 6	7. 2	7. 7
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	2, 637	880	7, 533	5, 927	38, 736	42, 551	2, 263	6, 359	4, 151	11, 065	122, 102
Average weight carried ..... ton	3. 1	2. 1	4. 0	3. 3	4. 8	4. 9	3. 7	4. 9	2. 2	6. 0	35. 1
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	47, 423	14, 410	182, 683	155, 105	1, 259, 958	1, 665, 406	109, 197	192, 204	169, 257	487, 370	4, 283, 013
Average net ton miles per truck .....	7, 500	5, 800	15, 000	16, 700	32, 700	24, 800	31, 200	22, 200	7, 300	15, 500	21, 100
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	144, 170	41, 964	493, 765	455, 216	3, 265, 628	4, 172, 684	259, 563	509, 267	586, 764	1, 194, 726	11, 123, 747
Average capacity ton miles per truck .....	22, 900	16, 900	40, 700	49, 100	84, 700	62, 200	74, 200	58, 800	25, 200	38, 000	54, 900
Percentage of capacity utilized .....	32. 9	34. 3	37. 0	34. 1	38. 6	39. 9	42. 1	37. 7	28. 8	40. 8	38. 5
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	180, 614	54, 820	570, 816	539, 971	3, 376, 014	4, 912, 205	323, 801	617, 527	854, 848	1, 531, 944	12, 962, 560
Average gross ton miles per truck .....	28, 700	22, 000	47, 000	58, 300	87, 500	73, 200	92, 500	71, 300	36, 800	48, 700	64, 000
Estimated annual population ....	6, 287	2, 489	12, 141	9, 262	38, 566	67, 084	3, 500	8, 657	23, 248	31, 477	202, 711

TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	5,516	382,654	177,447	.5	32.2	140,535
10,001-20,000 lb. ....	16,196	164,626	377,829	2.3	23.3	26,151
20,001-30,000 " .....	37,162	180,015	907,173	5.0	24.4	21,614
30,001-50,000 " .....	33,418	100,755	924,882	9.2	27.7	8,847
50,001 lb. and over .....	29,810	120,125	1,895,682	15.8	63.6	5,564
<b>Totals .....</b>	<b>122,102</b>	<b>948,175</b>	<b>4,283,013</b>	<b>4.5</b>	<b>35.1</b>	<b>202,711</b>

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton
	'000 tons	'000	'000	tons	miles
Live animals .....	673	15,811	68,937	4.4	102.4
Food, feed, beverages and tobacco .....	17,291	303,442	1,058,858	3.5	61.2
Crude materials, inedible .....	54,411	105,854	997,531	9.4	18.3
Fabricated materials, inedible .....	37,168	170,421	1,446,110	8.5	38.9
End products, inedible .....	7,011	264,218	482,549	1.8	68.8
General freight .....	5,548	88,429	229,028	2.6	41.3
<b>Totals .....</b>	<b>122,102</b>	<b>948,175</b>	<b>4,283,013</b>	<b>4.5</b>	<b>35.1</b>

TABLE 10. Private Urban Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled..... '000	37,592	4,713	70,247	47,537	752,206	760,454	210,676	74,748	140,379	251,048	2,349,600
Average yearly mileage per truck.....	4,800	2,900	4,400	5,300	7,000	5,500	7,100	4,700	5,800	4,700	5,800
Average distance each ton was carried.....	4.9	5.7	5.6	7.4	9.2	9.2	11.1	7.0	9.1	8.1	8.9
Percentage of total mileage travelled empty.....	62.4	53.7	60.9	51.5	45.3	53.2	57.5	55.4	53.6	62.7	52.5
<b>Fuel:</b>											
Total gallons of gasoline consumed..... '000	3,270	400	6,446	4,547	69,010	71,662	20,231	7,195	12,663	22,236	217,660
Miles per gallon of gasoline	11.4	11.8	10.9	10.5	10.7	10.6	10.4	10.4	11.0	11.2	10.7
Total gallons of diesel oil consumed..... '000	69	—	41	1	2,277	641	260	24	202	75	3,590
Miles per gallon of diesel oil	6.3	—	4.9	5.7	5.0	5.8	4.8	4.3	5.5	5.7	5.2
Total gallons of other fuel consumed..... '000	—	—	—	—	—	—	—	—	—	146	146
Miles per gallon of other fuel	—	—	—	—	—	—	—	—	—	9.7	9.7
<b>Weight of goods carried:</b>											
Total tons of goods carried '000	4,421	244	8,046	4,920	68,798	71,660	18,169	10,213	13,013	20,159	219,643
Average weight carried..... ton	1.5	0.6	1.6	1.6	1.5	1.8	2.2	2.1	1.8	1.7	1.7
<b>Net ton miles:</b>											
Total net ton miles performed '000	21,642	1,389	44,928	36,352	630,669	655,984	201,096	71,657	117,964	162,602	1,944,283
Average net ton miles per truck.....	2,700	900	2,800	4,100	5,900	4,700	6,800	4,500	4,900	3,100	4,800
<b>Capacity ton miles:</b>											
Total capacity ton miles..... '000	80,488	6,169	151,279	130,536	2,182,992	2,026,038	625,329	203,839	366,176	604,001	6,376,847
Average capacity ton miles per truck .....	10,200	3,800	9,400	14,600	20,400	14,600	21,100	12,900	15,100	11,400	15,800
Percentage of capacity utilized.....	26.9	22.5	29.7	27.8	28.9	32.4	32.2	35.2	32.2	26.9	30.5
<b>Gross ton miles:</b>											
Total gross ton miles..... '000	111,052	10,077	217,667	170,431	2,663,522	2,712,147	808,290	273,341	479,251	804,790	8,250,568
Average gross ton miles per truck.....	14,100	6,300	13,600	19,100	24,900	19,500	27,300	17,300	19,800	15,200	20,500
Estimated annual population ..	7,899	1,608	16,064	8,940	107,034	138,989	29,600	15,843	24,252	52,863	403,092

TABLE 11. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled..... '000	2,697	6,599	16,902	18,741	112,666	235,951	84,267	233,939	282,120	44,094	1,037,976
Average yearly mileage per truck .....	4,000	2,800	4,100	3,500	2,900	3,300	2,400	2,700	3,600	3,500	3,100
Average distance each ton was carried .....	17.3	5.0	12.8	11.2	13.7	12.8	9.6	10.5	13.6	15.4	11.6
Percentage of total mileage travelled empty .....	43.8	67.3	66.1	54.9	64.7	69.7	63.5	69.3	61.2	65.8	65.7
<b>Fuel:</b>											
Total gallons of gasoline consumed .... '000	205	490	1,377	1,583	8,675	17,199	7,301	19,532	21,572	3,530	81,464
Miles per gallon of gasoline .....	13.1	13.5	12.3	11.8	13.0	13.7	11.5	12.0	13.1	12.5	12.7
Total gallons of diesel oil consumed .. '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .. '000	—	—	—	—	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>											
Total tons of goods carried .....	35	390	456	1,045	1,854	4,620	5,862	14,346	8,943	957	38,508
Average weight carried .....	0.4	0.9	1.0	1.4	0.6	0.8	1.8	2.1	1.1	1.0	1.3
<b>Net ton miles:</b>											
Total net ton miles performed .....	612	1,948	5,824	11,665	25,391	59,304	56,079	149,918	121,473	14,750	446,964
Average net ton miles per truck .....	900	800	1,400	2,200	700	800	1,600	1,700	1,600	1,200	1,300
<b>Capacity ton miles:</b>											
Total capacity ton miles .....	3,425	8,101	27,116	39,820	130,699	299,186	192,016	574,120	451,229	73,790	1,799,502
Average capacity ton miles per truck ..	5,000	3,400	6,600	7,400	3,400	4,200	5,400	6,600	5,800	5,900	5,400
Percentage of capacity utilized .....	17.9	24.1	21.5	29.3	19.4	19.8	29.2	26.1	26.9	20.0	24.8
<b>Gross ton miles:</b>											
Total gross ton miles .....	6,051	13,164	42,344	58,716	234,691	505,756	269,187	787,388	702,758	110,855	2,730,910
Average gross ton miles per truck .....	9,000	5,600	10,200	10,900	6,100	7,000	7,500	9,100	9,100	8,900	8,200
Estimated annual population .....	681	2,357	4,136	5,369	38,200	71,927	35,700	86,400	77,500	12,460	334,730

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1963

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
From:										
Atlantic Provinces .....	—	43	5	—	—	—	—	—	51	99
Quebec .....	79	—	810	40	—	46	7	—	226	1,208
Ontario .....	6	916	—	119	19	93	10	—	347	1,510
Manitoba .....	—	38	186	—	178	118	7	—	8	535
Saskatchewan .....	—	4	4	256	—	68	2	—	7	341
Alberta .....	—	62	63	84	182	—	389	46	17	843
British Columbia .....	1	14	42	9	27	334	—	4	111	542
Yukon and Northwest Territories .....	—	—	—	—	—	6	4	—	—	10
United States .....	2	219	275	8	—	17	72	—	—	593
<b>Totals .....</b>	<b>88</b>	<b>1,296</b>	<b>1,385</b>	<b>516</b>	<b>406</b>	<b>682</b>	<b>491</b>	<b>50</b>	<b>767</b>	<b>5,681</b>
Private intercity										
'000 tons										
From:										
Atlantic Provinces .....	—	6	—	—	—	—	—	—	114	120
Quebec .....	7	—	311	—	—	—	—	—	191	509
Ontario .....	2	280	—	7	1	2	1	—	166	459
Manitoba .....	—	—	12	—	26	4	—	—	5	47
Saskatchewan .....	—	—	—	35	—	11	1	—	20	67
Alberta .....	—	—	1	3	11	—	64	2	70	151
British Columbia .....	—	—	3	1	4	43	—	85	69	205
Yukon and Northwest Territories .....	—	—	—	—	—	—	24	—	—	24
United States .....	29	139	293	12	12	—	16	—	—	501
<b>Totals .....</b>	<b>38</b>	<b>425</b>	<b>620</b>	<b>58</b>	<b>54</b>	<b>60</b>	<b>106</b>	<b>87</b>	<b>635</b>	<b>2,083</b>



TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	203	4,763	22,151	4.7	109.1	2,448	11.1
30,001-50,000 lb. ....	597	23,086	175,540	7.6	294.0	18,537	10.6
50,001 lb. and over .....	4,884	174,192	2,838,775	16.3	581.2	99,474	3.5
<b>Totals</b> .....	<b>5,684</b>	<b>202,041</b>	<b>3,036,466</b>	<b>15.0</b>	<b>534.2</b>	<b>120,459</b>	<b>4.0</b>
	Private Intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	120	8,695	11,604		1.3		96.7
20,001-30,000 lb. ....	281	5,792	34,015		5.9		121.0
30,001-50,000 " .....	485	6,639	64,796		9.8		133.6
50,001 lb. and over .....	1,143	23,212	352,490		15.2		308.4
<b>Totals</b> .....	<b>2,029</b>	<b>44,338</b>	<b>462,905</b>		<b>10.4</b>		<b>228.1</b>

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	73	2,904	29,245	10.1	400.6	1,333	4.6
Food, feed, beverages and tobacco .....	1,072	48,075	771,175	16.0	719.4	21,043	2.7
Crude materials, inedible .....	397	5,715	99,012	17.3	249.4	2,785	2.8
Fabricated materials, inedible .....	1,645	31,710	549,889	17.3	334.3	19,386	3.5
End products, inedible .....	781	41,432	421,684	10.2	539.9	34,321	8.1
General freight .....	1,716	72,205	1,165,461	16.1	679.2	41,591	3.6
<b>Totals</b> .....	<b>5,684</b>	<b>202,041</b>	<b>3,036,466</b>	<b>15.0</b>	<b>534.2</b>	<b>120,459</b>	<b>4.0</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals .....	30	1,445	20,224		14.0		674.1
Food, feed, beverages and tobacco .....	468	12,389	139,063		11.2		297.1
Crude materials, inedible .....	589	5,011	65,664		13.1		111.5
Fabricated materials, inedible .....	671	10,385	145,276		14.0		216.5
End products, inedible .....	206	12,207	63,215		5.2		306.9
General freight .....	65	2,901	29,463		10.2		453.3
<b>Totals</b> .....	<b>2,029</b>	<b>44,338</b>	<b>462,905</b>		<b>10.4</b>		<b>228.1</b>

## Appendix I

## Truck Population by Province, Type of Operation and Gross Vehicle Weight Group

Type of operation and gross vehicle weight	New-found-land <sup>1</sup>	Prince Edward Island <sup>1</sup>	Nova Scotia <sup>1</sup>	New Brunswick <sup>1</sup>	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>For hire:</b>												
0- 5,000 lb. ....					37	643	249	—	—	222	101	1,252
5,001-10,000 " .....					10	2,417	788	—	94	377	597	4,283
10,001-15,000 " .....					156	1,930	1,141	41	44	255	373	3,940
15,001-20,000 " .....					304	2,681	2,263	162	63	1,058	570	7,101
20,001-30,000 " .....					553	4,551	7,021	264	319	3,981	1,851	18,540
30,001-50,000 " .....					341	2,620	2,860	319	475	1,921	1,267	9,803
50,001 lb. and over .....					366	2,958	6,278	814	705	2,386	2,141	15,648
<b>Totals .....</b>	<b>233</b>	<b>146</b>	<b>759</b>	<b>629</b>	<b>1,767</b>	<b>17,800</b>	<b>20,600</b>	<b>1,600</b>	<b>1,700</b>	<b>10,200</b>	<b>6,900</b>	<b>60,567</b>
<b>Private:</b>												
<b>Intercity:</b>												
0- 5,000 lb. ....					6,075	6,343	31,344	—	3,787	12,377	11,050	70,976
5,001-10,000 " .....					14,545	15,246	13,758	2,148	1,488	6,673	15,701	69,559
10,001-15,000 " .....					1,448	3,290	3,338	254	386	915	619	10,250
15,001-20,000 " .....					3,505	2,473	6,388	345	731	1,522	937	15,901
20,001-30,000 " .....					3,687	5,830	7,542	459	1,352	1,214	1,530	21,614
30,001-50,000 " .....					669	4,056	2,178	152	616	307	869	8,847
50,001 lb. and over .....					250	1,328	2,536	142	297	240	771	5,564
<b>Totals .....</b>	<b>6,287</b>	<b>2,489</b>	<b>12,141</b>	<b>9,262</b>	<b>30,179</b>	<b>38,566</b>	<b>67,084</b>	<b>3,500</b>	<b>8,657</b>	<b>23,248</b>	<b>31,477</b>	<b>202,711</b>
<b>Urban:</b>												
0- 5,000 lb. ....					1,991	30,594	81,215	5,448	9,205	13,942	22,627	171,022
5,001-10,000 " .....					20,097	49,435	31,090	16,725	3,381	4,789	21,029	146,546
10,001-15,000 " .....					2,015	7,224	7,634	1,492	785	955	2,229	22,334
15,001-20,000 " .....					2,302	6,403	8,621	2,928	871	2,082	2,523	25,730
20,001-30,000 " .....					1,836	7,313	6,486	1,574	885	1,414	3,020	22,528
30,001-50,000 " .....					270	6,065	3,943	1,433	716	1,070	1,435	14,932
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>7,899</b>	<b>1,608</b>	<b>16,064</b>	<b>8,940</b>	<b>34,511</b>	<b>107,034</b>	<b>138,989</b>	<b>29,600</b>	<b>15,843</b>	<b>24,252</b>	<b>52,863</b>	<b>403,092</b>
<b>Farm:</b>												
0- 5,000 lb. ....					2,400	17,445	53,170	1,868	17,748	37,292	4,736	134,659
5,001-10,000 " .....					8,598	18,639	15,544	25,333	35,988	21,574	6,122	131,798
10,001-15,000 " .....					900	1,574	1,443	4,177	11,868	3,673	495	24,130
15,001-20,000 " .....					493	525	1,243	3,321	12,234	11,962	648	30,426
20,001-30,000 " .....					152	17	523	872	8,285	2,923	439	13,211
30,001-50,000 " .....					—	—	4	129	277	76	20	506
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>681</b>	<b>2,357</b>	<b>4,136</b>	<b>5,369</b>	<b>12,543</b>	<b>38,200</b>	<b>71,927</b>	<b>35,700</b>	<b>86,400</b>	<b>77,500</b>	<b>12,460</b>	<b>334,730</b>
<b>All trucks:</b>												
0- 5,000 lb. ....					16,503	55,025	165,978	7,316	30,740	63,833	38,514	377,909
5,001-10,000 " .....					43,250	85,737	61,180	44,206	40,951	33,413	43,449	352,186
10,001-15,000 " .....					4,519	14,018	13,556	5,964	13,083	5,798	3,716	60,654
15,001-20,000 " .....					6,604	12,082	18,515	6,756	13,899	16,624	4,678	79,158
20,001-30,000 " .....					6,228	17,711	21,572	3,169	10,841	9,532	6,840	75,893
30,001-50,000 " .....					1,280	12,741	8,985	2,033	2,084	3,374	3,591	34,088
50,001 lb. and over .....					616	4,286	8,814	956	1,002	2,626	2,912	21,212
<b>Totals .....</b>	<b>15,100</b>	<b>6,600</b>	<b>33,100</b>	<b>24,200</b>	<b>79,000</b>	<b>201,600</b>	<b>298,600</b>	<b>70,400</b>	<b>112,690</b>	<b>135,200</b>	<b>103,700</b>	<b>1,001,100</b>

<sup>1</sup> Population estimates by gross vehicle weight group are not considered sufficiently reliable; therefore, totals only are shown.

## Appendix II

## Truck Population by Type of Motive Power, Class of Operation and Province (Including Tractors)

	New- found- land	Prince Edward Island	Nova Scotia	New Brunsw- wick	Quebec	
	per cent					
Gasoline: <sup>1</sup>						
For hire .....	1.5	1.8	2.1	2.1	8.1	
Private: Intercity .....	41.5	37.6	36.5	38.1	18.6	
Urban .....	52.0	24.4	48.4	36.9	52.4	
Farm .....	4.5	35.7	12.5	22.2	19.0	
Totals .....	99.5	99.5	99.5	99.3	98.1	
Diesel:						
For hire .....	2	0.4	0.2	0.5	0.8	
Private: Intercity .....	0.2	—	0.2	0.2	0.5	
Urban .....	0.3	—	0.1	2	0.6	
Farm .....	—	—	—	—	—	
Totals .....	0.5	0.4	0.5	0.7	1.9	
Other fuel:						
For hire .....	—	—	—	—	—	
Private: Intercity .....	—	0.1	2	2	—	
Urban .....	—	—	—	—	2	
Farm .....	—	—	—	—	—	
Totals .....	—	0.1	2	2	2	
All types:						
For hire .....	1.6	2.2	2.3	2.6	8.8	
Private: Intercity .....	41.6	37.7	36.7	38.3	19.1	
Urban .....	52.3	24.4	48.5	36.9	53.1	
Farm .....	4.5	35.7	12.5	22.2	19.0	
Totals .....	100.0	100.0	100.0	100.0	100.0	
Estimated truck population .....	15, 100	6, 600	33, 100	24, 200	201, 600	
	Ontario	Mani- toba	Saskat- chewan	Alberta	British Columbia	Canada
	per cent					
Gasoline: <sup>1</sup>						
For hire .....	6.0	1.5	1.1	6.2	5.3	5.2
Private: Intercity .....	22.1	4.9	7.5	16.8	29.7	19.9
Urban .....	46.5	42.0	14.1	17.9	50.8	40.1
Farm .....	24.1	50.7	76.7	57.3	12.0	33.4
Totals .....	98.7	99.1	99.4	98.2	97.8	98.6
Diesel:						
For hire .....	0.9	0.7	0.4	1.3	1.3	0.8
Private: Intercity .....	0.3	0.1	0.2	0.1	0.5	0.3
Urban .....	0.1	0.1	2	—	0.1	0.2
Farm .....	—	—	—	—	—	—
Totals .....	1.3	0.9	0.6	1.4	1.9	1.3
Other fuel:						
For hire .....	2	2	2	0.1	—	2
Private: Intercity .....	2	2	2	0.3	0.1	0.1
Urban .....	2	—	—	—	0.2	2
Farm .....	—	—	—	—	—	—
Totals .....	2	2	2	0.4	0.3	0.1
All types:						
For hire .....	6.9	2.3	1.5	7.6	6.6	6.1
Private: Intercity .....	22.5	5.0	7.7	17.2	30.4	20.2
Urban .....	46.5	42.0	14.1	17.9	51.0	40.3
Farm .....	24.1	50.7	76.7	57.3	12.0	33.4
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0
Estimated truck population .....	298, 600	70, 400	112, 600	135, 200	103, 700	1, 001, 100

<sup>1</sup> Includes an insignificant number of power units burning liquified petroleum gases.<sup>2</sup> Less than .05 percent (included in gasoline).



## Appendix III

## Truck and Tractor-Trailer Population by Model and Province

Model	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Canada	
	per cent											No.
	Trucks and tractor-trailer combinations											
Pickup, express, panel, sedan delivery, jeep, utility .....	67.3	70.0	63.5	58.4	58.6	63.0	55.5	49.5	61.4	68.9	60.4	605,422
Metro .....	0.4	1.0	1.1	0.6	2.9	1.2	1.0	0.3	0.6	1.6	1.4	13,614
Van .....	5.1	3.1	8.0	7.6	4.5	9.8	5.1	2.0	4.5	8.4	6.5	64,612
Platform, stake, flatdeck .....	13.7	10.5	8.8	14.2	7.4	13.6	6.6	2.7	5.6	8.6	8.8	87,855
Mixer .....	0.4	—	0.2	<sup>1</sup>	0.5	0.5	0.5	0.2	0.5	0.5	0.5	4,609
Dump .....	5.7	3.3	5.4	5.2	4.8	4.6	4.4	2.4	3.1	2.6	4.0	40,226
Tank .....	2.4	2.4	2.4	3.3	2.8	2.1	2.1	2.1	2.0	1.8	2.2	22,240
Box .....	2.7	4.6	3.4	5.3	7.3	0.7	21.3	34.3	16.9	1.1	9.7	97,338
Bulk carrier .....	0.1	<sup>1</sup>	0.3	0.3	0.2	0.2	0.2	0.1	0.4	0.5	0.3	2,736
Mechanically refrigerated .....	0.4	0.3	0.8	0.6	0.4	0.5	0.3	0.2	0.4	0.7	0.5	4,584
Other .....	0.6	0.2	1.5	1.5	1.0	1.4	0.3	0.6	1.2	1.2	1.0	10,810
Not stated .....	1.2	4.6	4.6	3.0	9.6	2.4	2.7	5.6	4.0	4.1	4.7	47,054
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks and tractors	15,100	6,600	33,100	24,200	201,600	298,600	70,400	112,600	135,200	103,700		1,001,100
	Trucks											
Pickup, express, panel, sedan delivery, jeep, utility .....	67.3	70.0	64.6	59.6	60.8	66.1	57.1	50.5	63.5	71.5	62.7	605,205
Metro .....	0.4	1.0	1.1	0.6	3.0	1.3	1.0	0.3	0.6	1.7	1.4	13,614
Van .....	5.1	3.1	7.8	7.4	4.2	9.4	4.6	1.6	3.9	8.2	6.0	58,365
Platform, stake, flatdeck .....	13.7	10.5	8.7	14.0	7.0	13.2	6.3	2.4	4.6	7.9	8.4	81,087
Mixer .....	0.4	—	0.2	<sup>1</sup>	0.2	0.6	0.4	0.2	0.5	0.6	0.4	3,843
Dump .....	5.7	3.3	5.5	5.3	4.6	4.6	4.4	2.4	3.1	2.7	4.0	38,344
Tank .....	2.4	2.4	2.2	2.9	2.4	1.7	1.8	1.8	1.7	1.6	1.9	18,757
Box .....	2.7	4.6	3.4	5.4	7.5	0.7	21.8	34.9	17.4	1.1	10.0	96,961
Bulk carrier .....	0.1	<sup>1</sup>	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	1,329
Mechanically refrigerated .....	0.4	0.3	0.8	0.6	0.4	0.4	0.2	0.1	0.2	0.5	0.4	3,465
Other .....	0.6	0.2	1.1	1.4	0.9	0.9	0.2	0.3	0.8	0.7	0.8	7,225
Not stated .....	1.2	4.6	4.4	2.7	8.8	1.0	2.1	5.4	3.5	3.3	3.9	37,741
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks	15,100	6,600	32,523	23,705	193,942	284,401	68,529	110,411	130,908	99,817		965,936
	Tractor-trailer combinations											
Express utility .....			—	—	1.2	0.7	0.2	—	0.2	0.2	0.6	217
Van .....			24.3	19.6	13.2	18.2	23.6	21.7	22.2	14.1	17.8	6,247
Platform, stake, flatdeck .....			13.3	19.4	17.6	20.0	16.4	18.6	16.7	25.0	19.2	6,768
Dump .....			1.7	2.0	10.7	5.2	4.1	2.3	2.8	1.4	5.4	1,882
Tank .....			16.6	17.6	10.5	8.7	10.2	14.0	11.6	7.0	9.9	3,483
Box .....			3.0	3.8	1.0	0.7	2.6	3.3	0.5	0.6	1.1	377
Pole or logging .....			2.3	0.6	0.4	0.8	0.4	0.4	0.5	8.7	1.5	530
Lowbed .....	<sup>2</sup>	<sup>2</sup>	15.1	4.4	1.4	3.1	4.6	5.0	5.0	4.4	3.5	1,235
Auto carrier .....			2.6	6.5	1.2	5.4	2.6	4.3	4.1	2.2	3.7	1,311
Bulk carrier .....			4.3	8.5	2.1	2.5	3.6	4.1	8.5	7.7	4.0	1,407
Mechanically refrigerated .....			2.8	1.2	1.5	2.1	5.5	3.5	7.7	4.4	3.2	1,119
Other .....			0.7	0.6	9.0	1.5	1.2	7.1	3.6	0.9	3.6	1,275
Not stated .....			13.3	15.8	30.2	31.1	25.0	15.7	16.6	23.4	26.5	9,313
Totals .....			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of tractors			577	495	7,658	14,199	1,871	2,189	4,292	3,883		35,164

<sup>1</sup> Less than .05 per cent.<sup>2</sup> Included with trucks.

**Appendix IV**  
**Truck Population by Year of Manufacture and Province**

Year of manufacture	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British <sup>1</sup> Columbia	Canada <sup>2</sup>	
	per cent											No.
Prior to 1951 .....	1.2	3.7	8.3	8.9	5.7	11.4	21.7	26.6	15.6	—	13.1	117,230
1951 .....	1.4	4.0	2.6	2.5	4.2	4.0	7.0	7.7	5.9	—	4.9	43,833
1952 .....	2.1	5.3	4.5	4.3	5.0	5.5	6.2	14.3	6.7	—	6.6	59,290
1953 .....	3.3	9.5	4.7	4.0	3.7	5.0	6.1	8.4	6.6	—	5.4	48,715
1954 .....	6.2	3.7	3.4	4.0	4.1	4.7	3.8	2.7	3.8	—	4.1	36,431
1955 .....	6.3	4.0	5.8	6.3	5.2	6.4	3.8	2.3	4.8	—	5.1	46,091
1956 .....	8.1	5.7	7.4	8.3	7.6	8.5	5.2	5.2	6.6	—	7.3	65,098
1957 .....	7.1	7.2	7.8	8.3	8.3	6.9	5.6	4.5	5.8	—	6.7	60,372
1958 .....	7.9	8.6	7.6	4.6	7.5	7.1	7.5	4.1	6.2	—	6.7	60,000
1959 .....	13.2	10.4	8.9	7.2	9.5	9.2	8.3	6.0	6.7	—	8.4	75,556
1960 .....	10.4	14.4	10.5	11.6	10.4	9.5	9.3	5.9	9.3	—	9.3	83,853
1961 .....	12.8	8.4	10.9	12.0	10.3	7.7	4.9	5.1	7.3	—	8.0	71,712
1962 .....	12.1	10.0	11.7	13.0	14.5	9.1	6.8	5.2	9.7	—	10.0	89,610
1963 .....	6.6	5.1	5.9	4.5	3.8	5.0	3.1	1.5	5.0	—	4.2	37,758
Not stated .....	1.3	—	<sup>3</sup>	0.5	0.2	<sup>3</sup>	0.7	0.5	<sup>3</sup>	—	0.2	1,851
<b>Totals .....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>—</b>	<b>100.0</b>	
Estimated population .....	15,100	6,600	33,100	24,200	201,600	298,600	70,400	112,600	135,200	—		897,400

<sup>1</sup> Year of manufacture not available.<sup>2</sup> Excludes British Columbia.<sup>3</sup> Less than .05 per cent.

**Appendix V**  
**Private Intercity and Urban Truck Population by Industry and Province**

Industry	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
	per cent											No.
Forestry .....	3.7	2.4	2.9	5.9	1.4	0.7	0.1	0.4	0.3	2.6	1.4	8,506
Fishing .....	2.5	8.2	2.3	2.3	0.2	0.3	0.3	—	<sup>1</sup>	0.4	0.5	3,238
Mining .....	0.5	0.4	1.1	0.4	0.3	0.2	0.5	<sup>1</sup>	0.5	0.4	0.3	2,004
Manufacturing .....	2.5	1.1	2.7	2.9	6.2	4.5	2.9	2.8	3.3	3.1	4.3	25,958
Construction .....	5.5	5.3	6.0	8.2	8.7	8.7	11.1	9.0	11.0	7.7	8.6	52,261
Utilities .....	4.3	1.5	3.7	3.1	4.2	3.9	5.2	5.3	5.6	3.8	4.2	25,314
Wholesale trade .....	10.5	10.4	9.9	12.4	12.8	11.1	12.8	8.0	10.8	7.3	10.9	66,014
Retail trade .....	12.2	19.5	14.2	9.7	22.6	16.7	16.9	22.9	13.2	10.5	16.8	101,994
Services .....	5.7	8.5	8.3	9.0	14.6	18.5	13.8	13.9	16.3	12.0	14.9	90,272
Other (including personal transportation) .....	45.3	36.1	41.2	37.4	24.0	31.2	28.0	30.4	34.4	47.1	32.8	198,311
Not stated .....	7.3	6.6	7.7	8.7	5.0	4.2	8.4	7.3	4.6	5.1	5.3	31,931
<b>Totals .....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	
Estimated truck population .....	14,186	4,097	28,205	18,202	145,600	206,073	33,100	24,500	47,500	84,340		605,803

<sup>1</sup> Less than .05 per cent.

**Appendix VI**  
**Survey Response, by Type of Operation and Province**

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	306	128	646	524	4,570	9,804	768	909	5,052	2,325	25,032
Private:											
Intercity .....	2,493	864	3,047	1,931	5,385	10,833	611	1,947	2,227	3,411	32,749
Urban .....	2,502	369	1,996	1,845	9,677	12,135	3,970	1,879	2,847	4,945	42,165
Farm .....	82	498	404	550	1,156	2,375	1,660	3,756	3,784	1,021	15,286
Totals .....	5,383	1,859	6,093	4,850	20,788	35,147	7,009	8,491	13,910	11,702	114,232
Number of questionnaires returned completed											
For hire .....	105	19	221	181	2,220	4,355	450	457	1,403	1,161	10,572
Private:											
Intercity .....	843	176	1,053	596	2,149	4,667	334	632	917	1,273	12,640
Urban .....	866	73	703	564	3,854	5,101	1,327	635	922	1,811	15,856
Farm .....	29	104	148	134	372	966	377	723	885	371	4,109
Totals .....	1,843	372	2,125	1,475	8,595	15,089	2,488	2,447	4,127	4,616	43,177
Number of sampled trucks reported not in use during survey week											
For hire .....	98	48	191	121	774	2,222	107	170	1,280	467	5,478
Private:											
Intercity .....	798	236	857	563	1,449	2,741	136	540	690	948	8,958
Urban .....	784	98	523	521	2,545	3,136	1,050	508	849	1,443	11,457
Farm .....	22	133	96	150	316	623	602	1,392	1,248	299	4,881
Totals .....	1,702	515	1,667	1,355	5,084	8,722	1,895	2,610	4,067	3,157	30,774
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	103	61	234	222	1,576	3,227	211	282	2,369	697	8,982
Private:											
Intercity .....	852	452	1,137	772	1,787	3,425	141	775	620	1,190	11,151
Urban .....	852	198	770	760	3,278	3,898	1,593	736	1,076	1,691	14,852
Farm .....	31	261	160	266	468	786	681	1,641	1,651	351	6,296
Totals .....	1,838	972	2,301	2,020	7,109	11,336	2,626	3,434	5,716	3,929	41,281

**Appendix VII**  
**Commodity Classification**

Live animals:	Crude materials, inedible — Concluded:
Cattle	Stone, crude
Live animals, n.e.s. <sup>1</sup>	Crude non-metallic minerals, except coal and petroleum, n.e.s.
Food, feed, beverages and tobacco:	Crude materials, inedible, n.e.s.
Meat and meat preparations	Fabricated materials, inedible:
Dairy produce, eggs and honey	Sawmill products
Cereals unmilled (including grain)	Wood fabricated materials, n.e.s.
Grain, flour, meal and cereal preparations, n.e.s.	Paper and paperboard
Fruits and fruit preparations	Oils, fats, waxes, extracts and derivatives, animal and vegetable
Vegetables and vegetable preparations	Inorganic and organic chemicals
Fodder and feed, except unmilled cereals	Chemical products
Non-alcoholic beverages	Gasoline
Ale, beer, stout and porter	Fuel oil
Tobacco	Petroleum and coal products, n.e.s.
Food, feed, beverages and tobacco, n.e.s.	Iron and steel and alloys and metal fabricated basic products
Crude materials, inedible:	Cement and concrete basic products
Logs, round and roughly squared	Non-metallic mineral basic products, n.e.s.
Round timber	Fabricated materials, inedible, n.e.s.
Pulpwood	End products, inedible:
Fuelwood, n.e.s.	Machinery
Crude wood materials, n.e.s.	Passenger automobiles and chassis
Ores, concentrates and precipitates	Motor vehicle engines, accessories, parts and assemblies
Coal	End products, inedible, n.e.s.
Coal, crude petroleum and related crude products, n.e.s.	General freight
Sand and gravel	

<sup>1</sup> n.e.s. - not elsewhere specified.



**Appendix VIII**  
**Description of Vehicle Classifications**

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

**For hire trucks**

**Atlantic provinces:**

No separate licence —

Newfoundland — trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island — trucks operated for compensation on intercity routes and/or in urban areas.

New Brunswick — trucks owned by companies or individuals licensed by the Motor Carrier Board.

**Quebec:**

"L" licensed vehicles — operated for compensation in intercity or urban services.

**Ontario:**

Public Commercial Vehicles (PCV) — operated for compensation outside urban areas (rural and intercity routes).

**Manitoba:**

Public Service Vehicles (PSV) — operated for compensation beyond 15 miles radius of place of registration.

**Saskatchewan:**

"A" and "E" licensed vehicles — operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

**Alberta:**

"E" and "P" licensed vehicles — operated for compensation in transporting general merchandise or specified commodities on intercity routes.

**British Columbia:**

"E", "G", "H" and "J" carrier licensed vehicles — operated for compensation in intercity service or in urban areas.

**Private intercity trucks**

**Atlantic provinces:**

No separate licence — trucks operated on intercity routes.

**Quebec:**

No separate licence — trucks with "F" licences operated outside urban areas.

**Ontario:**

No separate licence — private non-farm trucks operated outside urban areas.

**Manitoba:**

"C.T." licensed vehicles — private non-farm trucks which may operate beyond 15 miles radius of place of registration.

**Saskatchewan:**

No separate licence — trucks with "C" or "D" licences operated outside urban areas.

**Private intercity trucks — Concluded**

**Alberta:**

"C" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

**British Columbia:**

No separate licence — private non-farm trucks operated beyond urban areas.

**Private urban trucks**

**Atlantic provinces:**

No separate licence — trucks operated in urban areas.

**Quebec:**

No separate licence — trucks with "F" licences operated in urban areas.

**Ontario:**

No separate licence — trucks operated only in urban areas.

**Manitoba:**

"T" and "DC" licensed vehicles — trucks operated within 15 miles radius of the place of registration.

**Saskatchewan:**

No separate licence — trucks with "C" or "D" licences operated within urban areas.

**Alberta:**

"U" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

**British Columbia:**

No separate licence — trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks**

**Atlantic provinces:**

Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

**Quebec:**

"N" licensed vehicles — owned and operated by a farmer.

**Ontario:**

No separate licence — trucks owned and operated by a farmer.

**Manitoba:**

"FT" licensed vehicles — trucks owned and operated by a farmer.

**Saskatchewan:**

"F" licensed vehicles — trucks owned and operated by a farmer.

**Alberta:**

"F" licensed vehicles — trucks owned and operated by a farmer.

**British Columbia:**

Trucks owned and operated by a farmer including those with special farm licence.

## TRUCK TRAFFIC QUESTIONNAIRE

## Appendix IX

DOMINION BUREAU OF STATISTICS, OTTAWA

Transportation Section

See Instructions on page 6

This questionnaire is for the following vehicle only:

To be completed by all vehicle operators regardless of the purpose for which vehicle is used - and to be returned at end of Survey Week.

Please answer those sections which apply to your operations for ONE WEEK ONLY.

Serial No.

Licence No.

begin  
SUNDAY  
morning

end  
SATURDAY  
midnight

## I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☐ one):

- ☐ (a) as a common carrier } for revenue earning purposes?  
☐ (b) as a contract carrier }  
☐ (c) to carry or distribute own or company goods in urban areas (within 5 miles of city or town limits)?  
☐ (d) to carry or distribute own or company goods over highways or rural roads?  
☐ (e) by a farmer to carry goods to and from the farm?  
☐ (f) for personal transportation (with no load)?

2. If you have checked ☐ either 1 (c) or 1 (d) above, please indicate below the industry or activity with which this vehicle is usually associated:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 1 Forestry      | <input type="checkbox"/> 5 Construction               | <input type="checkbox"/> 9 Services (such as laundries, radio & T.V. repair, plumbing, etc.) |
| <input type="checkbox"/> 2 Fishing       | <input type="checkbox"/> 6 Utilities or communication | <input type="checkbox"/> 10 Other  |
| <input type="checkbox"/> 3 Mining        | <input type="checkbox"/> 7 Wholesale trade            | Please state _____   |
| <input type="checkbox"/> 4 Manufacturing | <input type="checkbox"/> 8 Retail trade               |  |

3. Is this vehicle licensed in more than one province? ☐ 1 Yes ☐ 2 No

4. If yes, which provinces? ☐ 1 Newfoundland ☐ 5 Quebec ☐ 9 Alberta  
☐ 2 Prince Edward Island ☐ 6 Ontario ☐ 10 British Columbia  
☐ 3 Nova Scotia ☐ 7 Manitoba ☐ 11 Yukon  
☐ 4 New Brunswick ☐ 8 Saskatchewan ☐ 12 N.W.T.

5. Is this vehicle licensed in the United States? ☐ 1 Yes ☐ 2 No6. Model (check ☐ one)

- |  |  |                                      |   |  |
|--|--|--------------------------------------|---|--|
| <input type="checkbox"/> 1 Pickup                        | <input type="checkbox"/> 5 Station wagon | <input type="checkbox"/> 9 Van       | <input type="checkbox"/> 13 Dump            | <input type="checkbox"/> 17 Flatdeck     |
| <input type="checkbox"/> 2 Express                       | <input type="checkbox"/> 6 Jeep          | <input type="checkbox"/> 10 Platform | <input type="checkbox"/> 14 Tank            | <input type="checkbox"/> 18 Lowbed       |
| <input type="checkbox"/> 3 Panel                         | <input type="checkbox"/> 7 Utility       | <input type="checkbox"/> 11 Stake    | <input type="checkbox"/> 15 Box             | <input type="checkbox"/> 19 Auto carrier |
| <input type="checkbox"/> 4 Sedan delivery                | <input type="checkbox"/> 8 Metro         | <input type="checkbox"/> 12 Mixer    | <input type="checkbox"/> 16 Pole or logging | <input type="checkbox"/> 20 Bulk carrier |
| <input type="checkbox"/> 21 Mechanically refrigerated    |  |                                      |   |  |
| <input type="checkbox"/> 22 Other, please describe _____ |  |                                      |   |  |

7. Is this a tractor-trailer combination? ☐ 1 Yes ☐ 2 No8. Number of axles on truck or tractor-trailer combination (check ☐ one):

☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 and over

9. What is the maximum gross weight\* of the truck or tractor-trailer combination?

\_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

10. If this vehicle was not operated during the Survey Week, please state reason:

---

11. Gallons of fuel used during Survey Week:

- ☐ 1 Gasoline .....
- ☐ 2 Diesel .....
- ☐ 3 Other .....

gallons	
Imperial	U.S.

miles

12. Total miles travelled during Survey Week .....

(Speedometer reading at end of week minus speedometer reading at beginning of week. If speedometer is not working, please estimate total mileage for the seven day period.)

**II. URBAN OPERATIONS**

— are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported in Section III)

1. If this vehicle was used predominantly in an urban area during the Survey Week, please state the name of the city or town. ....

2. Total miles travelled in Urban Areas during Survey Week: .....

3. How many of the miles reported in 2 above were travelled with a load? .....

pounds

4. Average load carried per trip by this vehicle during the Survey Week in Urban Areas .....

5. Total weight of goods loaded in urban areas during Survey Week:

Sunday ..... pounds

Wednesday ..... pounds

Monday ..... "

Thursday ..... "

Tuesday ..... "

Friday ..... "

Saturday ..... pounds

pounds

Total .....

6. What kinds of goods did you carry? .....

7. If this vehicle is a for-hire (common or contract) carrier, what revenue was received for urban services performed during the Survey Week? ..... \$

**III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS**

i.e., operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. Include urban portion of intercity or rural trips. Rural operations refer to traffic performed on public roads by farmers to and from farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip	
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines	
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm	
3. One-way mileage	350	350	23	23	
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8	
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500	
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500	
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500	
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies	
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil	
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable	
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable	
12. Day of week	Mon.	Tues.	Mon.	Mon.	



## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4	ONE-WAY TRIP NO. 5
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

**Remarks:** Please make any comments which you think will help us to understand your report.

## INSTRUCTIONS - PLEASE READ CAREFULLY

## Identification of Vehicle

Information contained in the large rectangle on the front page identifies the particular vehicle selected for this survey by gross vehicle weight, tare weight, make, year, and licence number, etc. **N.B. Please do not substitute any other vehicle for the one indicated.**

## Method of Selection

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle.

## Tractors

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-27054 or 9-24275) or contract one of the Regional Offices listed below.

City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box 5785)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	UN 6-8008
Toronto, Ont.	36 Adelaide St. E.	EM 2-6211 (Local 2434)
Winnipeg, Man.	269 Main St., Federal Bldg.	WH 3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA 4-0251 (Local 259)
Vancouver, B.C.	Room 404, 326 Howe St.	MU 1-5288

## Units of Measure

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

## If Vehicle did not Operate

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete questions 1 to 10 and return.

## If Vehicle Sold

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" above and return the questionnaire in the envelope provided.

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_



CATALOGUE No.

53-207

ANNUAL

Government  
Publications



MOTOR TRANSPORT TRAFFIC  
CANADA  
1964

*Published by Authority of*  
The Minister of Trade and Commerce



DOMINION BUREAU OF STATISTICS  
Transportation and Public Utilities Division  
Transportation Section

April 1967  
8702-565

Price: 50 cents



Reports Published by the  
Governments and Transportation Division  
dealing with

**ROAD TRANSPORT**

Catalogue number	Title	Price per copy
Periodical		
53-001	<b>Motor vehicle Traffic Accidents—quarterly</b> (approx. 34 pp.) Number of accidents, persons killed and injured, property damage, time, place, road conditions, by class of victim, by age group, by province. (A condensed monthly report of motor vehicle traffic accidents is published as a release in the Dominion Bureau of Statistics Daily Bulletin) ..... (\$2 a year)	\$ .50
53-002	<b>Passenger Bus Statistics—Intercity and Rural—Bil. monthly (Class 1 Carriers only)</b> (approx. 4 pp.) Number of companies, passengers carried, vehicle miles run, fuel consumed revenue, by province ..... (\$1 a year)	.10
53-003	<b>Urban Transit—Bil. monthly (Class 1 carriers only)</b> (approx. 4 pp.) Number of companies, passengers carried, vehicle miles run, fuel consumed, and revenue by electric car, trolley coach and motor bus, by province ..... (\$1 a year)	.10
53-004	<b>Motor Transport Traffic: By Commodities—quarterly</b> (approx. 10 pp.) Mileage, ton miles and weight of goods carried by commodity for for-hire and private intercity carriers .... (\$2 a year)	.50
53-005	<b>Motor Carriers Freight—quarterly</b> (approx. 4 pp.) Numbers of Class 1 and Class 2 companies, operating revenues and expenses and tonnages handled, number of employees, salaries and wages, by province ..... (\$1 a year)	.25
Annual		
53-201	<b>Road and Street Mileage and Expenditure</b> (approx. 22 pp.) Road and street mileages, construction, maintenance and administration expenditures on highways, bridges, ferries and urban streets, by province, federal contributions for Trans-Canada Highway, expenditure of grade crossings .....	.50
53-202	<b>International Toll Bridges, Tunnels and Ferries</b> (approx. 12 pp.) Investment, revenues, expenses, traffic, employees, salaries and wages and accidents with list of facilities .....	.50
53-206	<b>Motor Vehicle Traffic Accidents</b> (approx. 71 pp.) Number of accidents, persons killed and injured, property damage, time, place, road conditions, by class of victim, by age group, by type of vehicle, by class of accident, etc., by province .....	1.00
53-215	<b>Passenger Bus Statistics</b> (approx. 19 pp.) Number of companies, investment, operating revenues and expenses, employees, salaries and wages, equipment, traffic accidents, fuel consumption, property account, taxes, by province .....	.50
53-216	<b>Urban Transit</b> (approx. 14 pp.) Balance sheet, investment, revenues, expenses, passengers carried, vehicle miles run, fuel consumed, by electric car, trolley coach and motor bus, equipment, accidents, employees, salaries and wages by province .....	.50
53-217	<b>The Motor Vehicle: Part I—Rates and Regulations</b> (approx. 40 pp.) Size, weight and safety regulations, reciprocal highway agreements, taxes and motor carrier regulations, gasoline tax rate review, passenger cars, trucks and buses annual licence fees by province .....	.75
53-218	<b>The Motor Vehicle: Part II—Motive Fuel Sales</b> (approx. 13 pp.) Gross and net sales of gasoline and net sales of diesel oil by province, by year .....	.50
53-219	<b>The Motor Vehicle: Part III—Registrations</b> (approx. 18 pp.) Registrations of motor vehicles by major groups 1903-64, by type of vehicle, drivers' licences, by province, registrations by place of residence .....	.50
53-220	<b>The Motor Vehicle: Part IV—Revenues</b> (approx. 11 pp.) Provincial government revenues from registrations and motive fuel taxes: and unsatisfied judgment fund data, by province .....	.50
53-221	<b>Moving and Storage Household Goods</b> (approx. 16 pp.) Number of companies, balance sheet, operating revenues and expenses, employees, salaries and wages, storage facilities and equipment, fuel consumption and Canadian taxes, by province .....	.50
53-222	<b>Motor Carriers—Freight (Common and Contract)—Part I Classes 1 and 2</b> (approx. 36 pp.) Number of companies, balance sheet, operating revenues and expenses, employees, salaries and wages, equipment and accidents, by province, by revenue class and by type of operation .....	.75
53-223	<b>Motor Carriers—Freight (Common and Contract)—Part II Classes 3 and 4</b> (approx. 22 pp.) Number of companies, balance sheet operating revenues and expenses, employees, salaries and wages, equipment and accidents, by province, by revenue class and by type of operation .....	.50
63-212	<b>Warehousing (General Merchandising and Refrigerated Goods)</b> (approx. 10 pp.) Number of companies, property, operating and income accounts, employees compensation, storage facilities, truck equipment, by province .....	.50

**Motor Transport Traffic**

Each of the following series of eight annual reports provides statistics on mileage, fuel consumption, truck capacity, goods carried, ton miles, revenues and number of trucks by type of operation and gross vehicle weight group.

53-207	<b>Motor Transport Traffic: Canada</b> (approx. 30 pp.) .....	.50
53-208	<b>Motor Transport Traffic: Atlantic Provinces</b> (approx. 24 pp.) .....	.50
53-209	<b>Motor Transport Traffic: Quebec</b> (approx. 13 pp.) .....	.50
53-209F	<b>Transport routiers de marchandises: Québec</b> (approx. 13 pp.) .....	.50
53-210	<b>Motor Transport Traffic: Ontario</b> (approx. 13 pp.) .....	.50
53-211	<b>Motor Transport Traffic: Manitoba</b> (approx. 13 pp.) .....	.50
53-212	<b>Motor Transport Traffic: Saskatchewan</b> (approx. 13 pp.) .....	.50
53-213	<b>Motor Transport Traffic: Alberta</b> (approx. 13 pp.) .....	.50
53-214	<b>Motor Transport Traffic: British Columbia</b> (approx. 13 pp.) .....	.50

*Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Publications Distribution Unit, Financial Services Section, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.*

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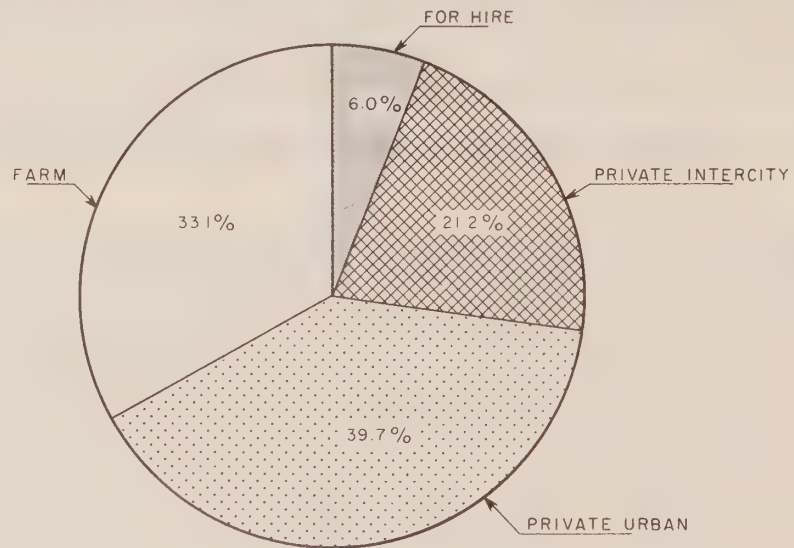
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MOTOR TRANSPORT TRAFFIC  
CANADA  
1964

TRUCK REGISTRATIONS BY TYPE OF OPERATION

CHART -1



NET TON MILES BY TYPE OF OPERATION

CHART -2

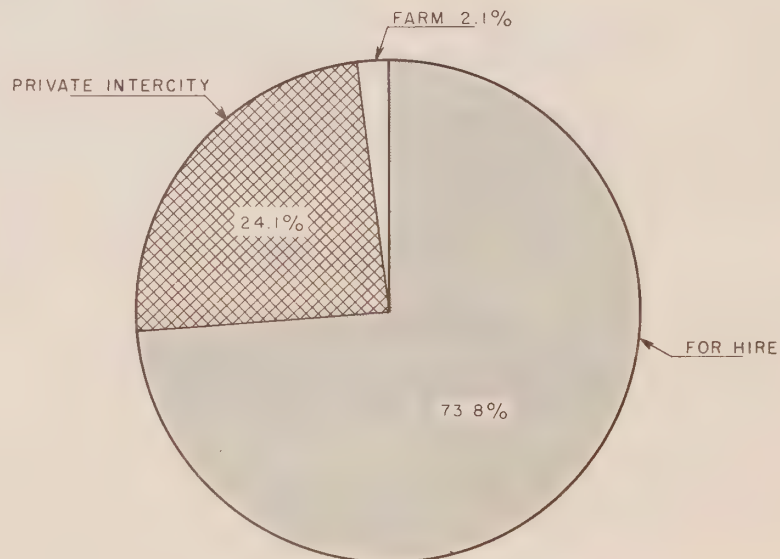
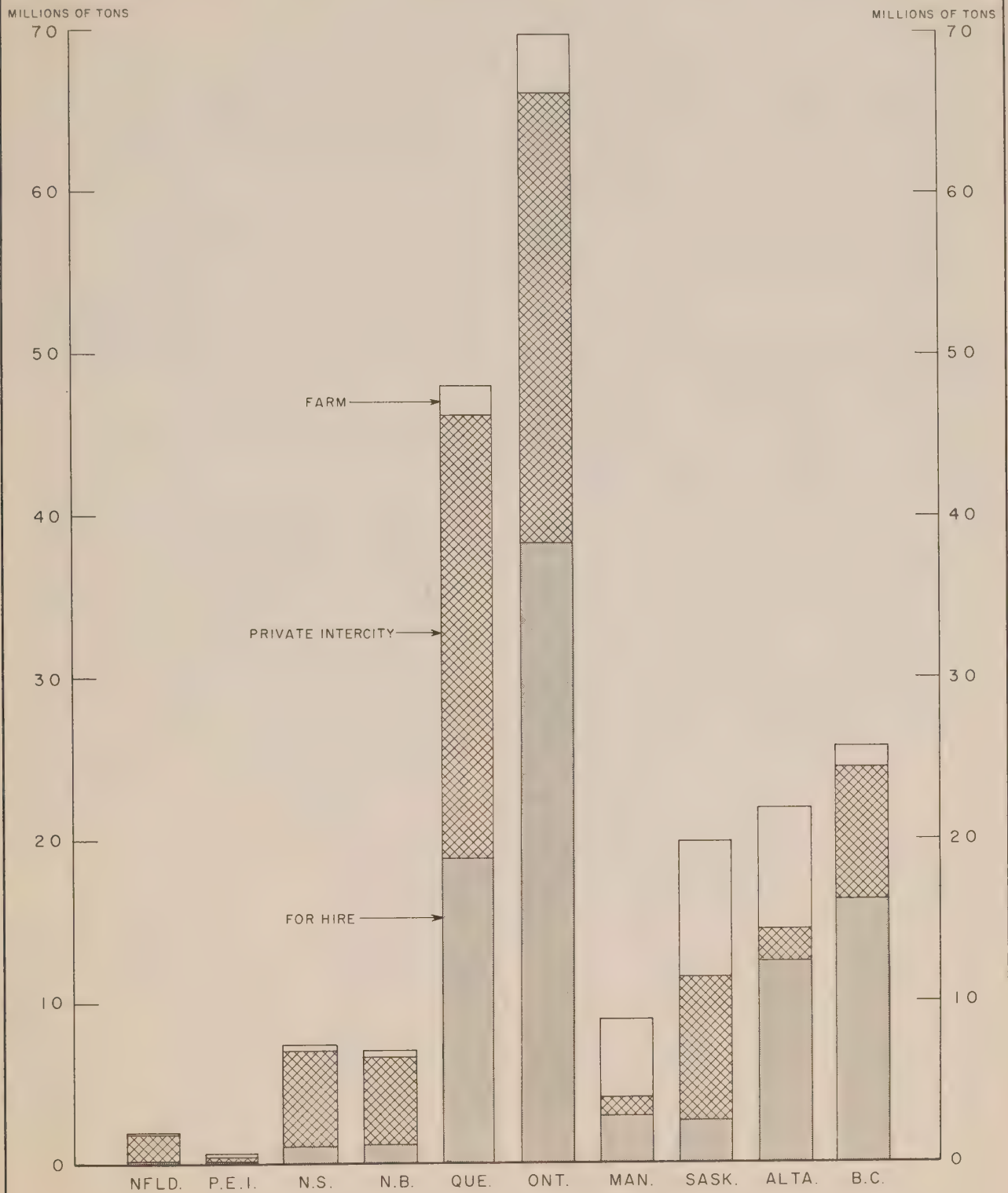




CHART-3

# TONS CARRIED BY TYPE OF OPERATION 1964





# MOTOR TRANSPORT TRAFFIC CANADA 1964

## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1964. Truck transport statistics published in provincial and regional reports for 1964 have been summarized herein.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and their affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics. A breakdown of the commodity groupings used in this report is presented in Appendix V. Traffic data by individual commodities while not available in the annual report are presented in the quarterly reports "Motor Transport Traffic; by Commodities", Catalogue No. 53-004.

Included in this report are additional appendices which provide further information on the truck population. The data contained in Appendix II, Truck Population by Type of Motive Power, Class of Operation and Province and Appendix III, Truck and Tractor-Trailer Population by Model and Province have been released for previous years in the Daily Bulletin. However, the analysis shown in Appendix IV, Truck Population by Year of Manufacture and Province was presented in this report for the first time in 1962.

### Sample Selection

The 1964 national estimates of motor transport traffic in Canada are based upon a sample of approximately 7 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government-owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province were changed as follows:

Province	Gross vehicle weight groups (pounds)						
	0- 5,000	5,001- 10,000	10,001- 15,000	15,001- 20,000	20,001- 30,000	30,001- 50,000	Over 50,000
Newfoundland .....	1/40	1/20	1/10	1/6	1/4	1/4	1/4
Prince Edward Island .....	1/40	1/20	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/120	1/80	1/40	1/20	1/8	1/4	1/4
New Brunswick .....	1/60	1/32	1/32	1/16	2/12	1/4	1/4
Ontario .....	1/200	1/125	1/100	1/50	1/25	1/10	1/10
Manitoba:							
PSV .....	1/50	1/50	1/50	1/30	1/25	1/7	1/5
CT .....	1/100	1/100	1/50	1/30	1/30	1/25	1/6
T and DC .....	1/150	1/150	1/125	1/40	1/25	1/15	1/15
FT .....	1/150	1/150	1/60	1/200	1/30	1/20	1/20
Saskatchewan:							
A and E .....	1/100	1/50	1/50	1/25	1/20	1/7	1/5
C and D .....	1/150	1/100	1/75	1/50	1/25	1/20	1/10
Farm trucks .....	1/200	1/200	1/150	1/150	1/30	1/5	1/5
Alberta:							
P and E .....	1/100	1/50	1/40	1/30	1/20	1/7	1/5
C, X and U .....	1/150	1/150	1/125	1/40	1/25	1/20	1/10
Farm .....	1/200	1/200	1/100	1/50	1/20	1/10	1/10
British Columbia .....	1/200	1/125	1/50	1/40	1/20	1/10	2/15
	0- 3,300	3,301- 5,800	5,801- 7,300	7,301- 8,550	8,551- 11,050	11,051- 17,000	Over 17,000
Quebec:							
Private intercity and urban .....	1/150	1/100	1/100	1/40	1/20	2/15	2/15
For hire .....	1/100	1/75	1/50	1/25	1/15	1/5	1/5
Farm .....	1/200	1/125	1/100	1/50	1/20	1/20	1/20



Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

It must be noted that beginning in 1964 the only data recorded for vehicles performing **urban**

or **local** operations, regardless of category, are **miles travelled** and **gallons of fuel used** and the **estimated population**. For this reason the 1964 figures shown under various traffic headings are not entirely comparable to the statistics published for 1963. (See Review of Survey Results.)

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1964 population estimates and Appendix VI for the description of vehicle classifications in each province.)

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at totals. Current procedures in arriving at provincial and national totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.

The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.

3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.
4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.
6. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.
7. Annual provincial totals are added together to obtain national estimates.

### Compilation of National Estimates

#### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are in transit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements.

It should be noted that 1962 saw the signing of a large number of reciprocal licensing agreements. Most of these agreements were based on full free reciprocity for certain vehicles including most of those of less than 6,000 lb. gross weight, while trucks over this weight paid the full fee in

their home province and \$10.00 per ton in the province extending reciprocity. Agreements along these lines were signed by Ontario with New Brunswick, Manitoba, Saskatchewan and Alberta. Saskatchewan and Alberta also agreed to reciprocate on a similar basis. In 1963 Saskatchewan signed a similar agreement with Manitoba. Trucks registering at \$10.00 per ton reciprocal fee are being excluded from the truck populations of all but their home provinces. This will eliminate a considerable amount of duplication in the national estimates. A summary of reciprocal highway agreements for trucking, current at December 31, 1964, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1964. Part I, Rates and Regulations", Catalogue No. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of the interprovincial operations reported by each operator. With the extension of reciprocal licensing agreements and the consequent decrease in duplication this procedure no longer becomes entirely adequate. If and when reciprocal licensing agreements extend to all provinces no adjustment to the reported data will be necessary. Because reciprocal agreements still do not cover all provinces it has been decided to follow the previous practice with regard to interprovincial operations and halve the data reported.

Although it was necessary to reduce aggregate interprovincial data to obtain realistic national estimates it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licenses trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation.

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix VI, which describes the vehicle classifications used in this report, will reveal these variations.

### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles

are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1964 appears in Appendix VII.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week.

Average distance each ton was carried—total net ton miles divided by total tons of goods carried.

Percentage of total mileage travelled empty—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

Miles per gallon of gasoline (or diesel or other fuel)—total miles travelled during year divided by total gallons of gasoline consumed.

Average weight carried—total net ton miles performed divided by total miles travelled with a load.

Average net ton miles per truck—total net ton miles performed during the year divided by the estimated annual truck population.

Capacity ton miles—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

Average capacity ton miles per truck—total capacity ton miles divided by the estimated annual truck population.

Percentage of capacity utilized—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

Gross ton miles—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for vehicles in Quebec which were registered by tare weight.

Average gross ton miles per truck—total gross ton miles divided by estimated annual truck population.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 to 1963.



## Review of Survey Results

Beginning with the year 1964, a number of important changes have been made in the methodology of conducting the Motor Transport Traffic Survey and the extent of coverage of the various kinds of operations performed by Canadian-registered trucks.

These changes have an important effect on any attempt to compare the data item by item with previous years estimates and should be thoroughly understood before any such comparisons are attempted.

The changes introduced in 1964 were as follows:

1. The size of the sample was reduced considerably. The reduction varied according to the population of commercial vehicles in each province, the provincial truck population by size groups, and by type of operation.
2. The questionnaire was simplified by eliminating questions (except miles travelled and fuel consumed) pertaining to the operations of all vehicles in urban areas or urban metropolitan boundaries regardless of the type of operating licence held by the vehicle itself.

There were a number of important reasons for introducing these changes:

1. To ease the burden on the companies and individuals selected in the samples. Respondents have experienced considerable difficulty in determining the amount and kind of commodities carried within urban areas and allocating truck revenues to the distribution of these commodities. The form was therefore simplified to make it easier to complete, to improve response and accuracy of the data reported.
2. Over the years evidence of interest in the operations of trucks within urban areas has not been sufficient to justify the time, cost and effort to collect and produce statistics to cover them.
3. To reduce the cost of conducting the survey.
4. Because of the difficulty of obtaining this kind of information the accuracy of the data being reported was unsatisfactory.
5. To free time and staff to concentrate on improving the estimates for other kinds of trucking operations, specifically the intercity private and for hire operations.
6. As the national estimates have been produced for seven years on a total Canadian truck population basis, it was considered that this is sufficient to obtain the trend of the impact of the trucking industry on the national economy and its relation to other modes of transport. The time was therefore considered appropriate to concentrate on that portion of the trucking industry which was in competition with the other modes of transport and therefore of most interest to users of transportation statistics.

## Effects of the Changes on the Estimates

1. The total truck population, miles travelled and fuel consumed, are the only statistical items which can be compared with previous years' estimates. The estimates for tons of goods carried, ton miles and other related aggregates and ratios are not comparable with previous years as the amount of goods transported and distributed within urban areas was not collected. The estimates for this type of information are therefore considerably lower than in previous years but it is a clearer picture of the volume of goods being transported by for hire and private trucks on intercity or inter-urban routes.
2. The relatively large decrease in total volume of goods transported by truck in 1964 as compared with 1963 reflects the importance of the operations of trucks confined to urban areas and the significance of short haul truck transport. Much of this is due to the elimination of the transport of construction materials such as sand and gravel, most of which is transported between suburban and urban areas.

The estimated population of trucks and tractor-trailers performing transportation services in Canada during 1964 increased 3.2 per cent to 1,033,000 from 1,001,000 in the previous year. Of these, 61,760, or 6.0 per cent were for-hire vehicles; 219,357, or 21.2 per cent, were private intercity vehicles; 410,365, or 39.7 per cent, were private vehicles operating wholly within urban areas; and 341,518, or 33.1 per cent, were farm trucks. Almost 29 per cent of the total number of trucks were registered in Ontario, while 48.6 per cent were registered in the two provinces of Quebec and Ontario.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected, it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

## Section 1. Total Truck Traffic by Canadian Registered Trucks

Total miles travelled by trucks and tractor-trailers increased 2.9 per cent, to 7,296 million in 1964 from 7,093 million in the previous year; at the same time the average mileage per truck did not change from the 7,100 miles in 1963. The average distance each ton of goods was carried rose to 81.1 miles from 32.8 while the proportion of empty miles increased to 55.7 per cent from 50.5.



Gasoline consumption was 747,987,000 gallons in 1964, an increase of 10.3 per cent over the 678,394,000 gallons recorded in 1963. Diesel fuel consumption was up 17.9 per cent, to 129,156,000 gallons from 109,531,000 gallons in the previous year.

During 1964, the estimated total weight of goods carried by for hire, private intercity and farm trucks amounted to 21,593,000 tons while the average weight carried was 8.1 tons. Net ton miles performed during the year were estimated at 17,158,273,000, while the average net ton miles per truck was 27,600.

Charts 1 and 2 indicate that for-hire trucks and tractor-trailers, which represented only 6.0 per cent of total registrations, performed 73.8 per cent of truck transport net ton miles. For hire vehicles carried an average load of 12.9 tons compared with an average of 8.1 tons for trucks of all types, and transported each ton an average distance of 134.8 miles as against 81.1 miles for all three categories of trucks.

Some private trucks under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for 11.3 per cent of the total mileage travelled by all trucks.

## **Section II. Interprovincial and International Traffic by Canadian Registered Trucks**

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 6,706,000 tons of goods, of which 32.6 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 2,280,000 tons of goods between provinces, of which 30.2 per cent was moved between Quebec and Ontario.

September 13, 1966.

SECTION 1. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1964

TABLE 1. Total Operations (Intercity, Rural and Urban) of All Trucks

	For hire	Private			Total
		Intercity	Urban	Farm	
<b>Mileage:</b>					
Total mileage travelled ..... '000	1,591,286	2,280,955	2,502,791	920,489	7,295,521
Average yearly mileage per truck .....	25,800	10,400	6,100	2,700	7,100
Revenue per mile (total mileage travelled) ..... ¢	42.8	—	—	—	—
<b>Fuel:</b>					
Total gallons of gasoline consumed ..... '000	179,177	221,650	260,153	87,007	747,987
Miles per gallon of gasoline .....	5.6	9.7	9.5	10.6	8.8
Total gallons of diesel oil consumed ..... '000	102,061	20,044	6,991	60	129,156
Miles per gallon of diesel oil .....	5.7	5.6	4.6	6.1	5.7
Total gallons of other fuel consumed ..... '000	317	1,494	347	77	2,235
Miles per gallon of other fuel .....	5.4	6.3	8.1	13.5	6.7
Estimated annual population .....	61,760	219,357	410,365	341,518	1,033,000

TABLE 1 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks

		For hire	Private		Total
			Intercity	Farm	
Mileage:					
Total mileage travelled .....	'000	1,591,286	2,280,955	920,489	4,792,730
Percentage of total mileage travelled empty .....		38.5	61.8	70.0	55.7
Weight of goods carried:					
Total tons of goods carried .....	'000	94,010	89,050	28,533	211,593
Average weight carried .....	ton	12.9	4.7	1.3	8.1
Average distance each ton was carried .....		134.8	46.4	12.5	81.1
Net ton miles:					
Total net ton miles performed .....	'000	12,669,709	4,133,099	355,465	17,158,273
Average net ton miles per truck .....		205,100	18,800	1,000	27,600
Capacity ton miles:					
Total capacity ton miles .....	'000	21,705,971	10,440,218	1,619,590	33,765,779
Average capacity ton miles per truck .....		351,500	47,600	4,700	54,200
Percentage of capacity utilized .....		58.4	39.6	21.9	50.8
Gross ton miles:					
Total gross ton miles .....	'000	27,329,012	12,183,505	2,345,570	41,858,087
Average gross ton miles per truck .....		442,500	55,500	6,900	67,200
Revenue:					
Total revenue .....	\$'000	681,639	—	—	—
Revenue per ton mile .....	¢	5.4	—	—	—
Average revenue per truck .....	\$	11,000	—	—	—
Estimated annual population .....		61,760	219,357	341,518	622,635

TABLE 2. Total Operations (Intercity, Rural and Urban) of All Trucks, by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
<b>Mileage:</b>								
Total mileage travelled ..... '000	2,003,006	2,069,121	330,651	457,280	772,291	578,035	1,085,137	7,295,521
Average yearly mileage per truck .....	5,200	5,500	5,200	5,700	10,000	17,400	46,400	7,100
<b>Fuel:</b>								
Total gallons of gasoline consumed .... '000	153,420	182,029	39,319	62,092	117,571	105,338	88,218	747,987
Miles per gallon of gasoline .....	13.0	11.3	8.4	7.3	6.5	4.9	4.8	8.8
Total gallons of diesel oil consumed .... '000	683	188	267	144	519	10,786	116,569	129,156
Miles per gallon of diesel oil .....	5.3	9.3	5.9	9.5	7.3	5.1	5.7	5.7
Total gallons of other fuel consumed .... '000	64	516	22	97	905	315	316	2,235
Miles per gallon of other fuel .....	—	8.3	11.7	4.2	4.8	5.9	3.2	6.7
Estimated annual population .....	382,817	373,665	63,131	79,726	77,139	33,127	23,395	1,033,000

TABLE 2 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks, by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
<b>Mileage:</b>								
Total mileage travelled ..... '000	1,109,078	1,119,274	181,474	293,686	595,295	408,786	1,085,137	4,792,730
Percentage of total mileage travelled empty .....	76.6	71.1	57.6	50.9	49.5	47.6	25.6	55.7
<b>Weight of goods carried:</b>								
Total tons of goods carried ..... '000	5,128	10,262	6,152	16,023	48,423	44,746	80,859	211,593
Average weight carried ..... ton	0.4	0.6	1.7	3.0	5.0	8.8	16.0	8.1
Average distance each ton was carried	18.3	19.1	21.5	27.4	31.0	41.9	159.8	81.1
<b>Net ton miles:</b>								
Total net ton miles performed ..... '000	93,923	196,298	132,556	439,252	1,501,437	1,874,559	12,920,248	17,158,273
Average net ton miles per truck .....	400	900	3,300	8,100	27,600	6,500	552,300	27,600
<b>Capacity ton miles:</b>								
Total capacity ton miles ..... '000	858,649	1,368,353	483,922	1,292,468	3,977,825	4,445,344	21,339,218	33,765,779
Average capacity ton miles per truck ..	4,000	6,300	12,100	23,900	73,000	252,500	912,100	54,200
Percentage of capacity utilized .....	10.9	14.3	27.4	34.0	37.7	42.2	60.5	50.8
<b>Gross ton miles:</b>								
Total gross ton miles ..... '000	1,739,970	2,295,009	602,028	1,405,683	3,897,142	4,629,949	27,288,306	41,858,087
Average gross ton miles per truck .....	8,100	10,500	15,000	26,000	71,500	263,000	1,166,400	67,200
Estimated annual population .....	215,056	217,945	40,079	54,061	54,497	17,602	23,395	622,635

TABLE 3. Total Operations (Intercity, Rural and Urban) of All Trucks, by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	98,239	29,608	243,444	166,371	1,816,655	2,365,869
Average yearly mileage per truck .....	6,500	4,400	6,200	6,800	8,800	8,000
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	10,162	3,356	25,114	18,002	178,247	272,408
Miles per gallon of gasoline .....	9.6	8.6	9.4	8.8	9.3	8.1
Total gallons of diesel oil consumed ..... '000	79	103	1,038	1,437	28,108	27,832
Miles per gallon of diesel oil .....	6.0	6.3	6.2	5.4	5.5	6.0
Total gallons of other fuel consumed ..... '000	—	—	8	51	115	281
Miles per gallon of other fuel .....	—	—	—	—	—	—
Estimated annual population .....	15,000	6,700	39,200	24,300	207,500	294,500
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	423,626	434,035	929,389	788,285	7,295,521	
Average yearly mileage per truck .....	5,400	3,700	6,500	7,300	7,100	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	42,968	42,459	86,169	69,102	747,987	
Miles per gallon of gasoline .....	8.5	9.2	8.7	9.5	8.8	
Total gallons of diesel oil consumed ..... '000	9,652	6,780	29,581	24,546	129,156	
Miles per gallon of diesel oil .....	6.0	5.8	5.9	5.1	5.7	
Total gallons of other fuel consumed ..... '000	328	382	545	525	2,235	
Miles per gallon of other fuel .....	—	—	—	—	6.7	
Estimated annual population .....	77,900		143,600	108,300	1,033,000	



**TABLE 3 A. Intercity and Rural Operations Only of For Hire, Private Intercity  
and Farm Trucks, by Province**

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	55,904	23,005	169,140	109,332	987,121	1,562,003
Percentage of total mileage travelled empty .....	66.8	70.9	59.2	51.5	54.8	53.6
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	1,934	533	7,467	7,081	48,083	69,842
Average weight carried ..... ton	3.4	3.4	4.8	5.9	7.9	7.4
Average distance each ton was carried .....	32.8	43.2	44.5	44.6	72.8	76.8
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	63,423	23,015	332,321	315,631	3,502,138	5,364,330
Average net ton miles per truck .....	8,800	4,400	15,200	24,500	36,100	33,600
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	176,571	59,547	821,452	701,748	7,150,729	11,437,183
Average capacity ton miles per truck .....	24,600	11,500	37,500	54,500	73,700	71,600
Percentage of capacity utilized .....	35.9	38.7	40.5	45.0	49.0	46.9
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	214,901	77,704	980,577	831,753	7,827,356	13,814,786
Average gross ton miles per truck .....	30,000	14,900	44,800	64,500	80,600	86,500
Estimated annual population .....	7,172	5,200	21,906	12,887	97,078	159,697
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	208,992	359,292	781,806	536,135	4,792,730	
Percentage of total mileage travelled empty .....	46.3	62.1	56.7	58.7	55.7	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	8,981	19,986	21,967	25,719	211,593	
Average weight carried ..... ton	10.5	6.2	9.3	10.8	8.1	
Average distance each ton was carried .....	130.7	42.3	143.6	92.7	81.1	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,173,805	845,069	3,154,088	2,384,453	17,158,273	
Average net ton miles per truck .....	26,400	8,300	27,000	42,800	27,600	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	1,857,570	2,010,268	5,422,662	4,128,049	33,765,779	
Average capacity ton miles per truck .....	41,700	19,800	46,400	74,100	54,200	
Percentage of capacity utilized .....	63.2	42.0	58.2	57.8	50.8	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	2,545,286	2,530,573	7,467,216	5,567,935	41,858,087	
Average gross ton miles per truck .....	57,200	24,900	63,900	100,000	67,200	
Estimated annual population .....	44,500	101,559	116,950	55,686	622,635	

TABLE 4. For Hire Trucks by Province

		Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>							
Total mileage travelled .....	'000	2,894	1,028	16,891	18,052	379,023	529,870
Average yearly mileage per truck .....		8,200	7,700	15,400	23,100	21,100	26,000
Average distance each ton was carried .....		39.1	179.0	111.6	136.0	131.2	92.1
Percentage of total mileage travelled empty ..		65.4	22.0	27.5	33.8	45.9	42.5
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	402	65	2,475	1,957	40,644	79,968
Miles per gallon of gasoline .....		7.1	8.8	5.5	6.6	6.5	5.2
Total gallons of diesel oil consumed .....	'000	4	75	520	904	19,971	18,421
Miles per gallon of diesel oil .....		12.2	6.2	6.2	5.6	5.6	6.1
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	114
Miles per gallon of other fuel .....		—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	118	38	1,050	1,088	18,895	38,275
Average weight carried .....	tons	4.6	8.4	9.6	12.4	12.1	11.6
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	4,629	6,750	117,095	147,946	2,479,339	3,523,723
Average net ton miles per truck .....		13,200	50,400	106,900	189,700	137,700	172,700
<b>Capacity ton miles:</b>							
Total capacity ton miles .....	'000	10,297	12,883	218,132	252,112	4,388,126	6,863,174
Average capacity ton miles per truck .....		29,300	96,100	199,200	323,200	243,800	336,400
Percentage of capacity utilized .....		45.0	52.4	53.7	58.7	56.5	51.3
<b>Gross ton miles:</b>							
Total gross ton miles .....	'000	11,516	16,064	273,373	328,915	4,902,904	8,193,047
Average gross ton miles per truck .....		32,800	119,900	249,700	421,700	272,400	401,600
<b>Revenue:</b>							
Total revenue .....	\$'000	676	452	9,267	8,668	135,953	254,705
Revenue per ton mile .....	¢	14.6	6.7	7.9	5.9	5.5	7.2
Revenue per mile (total mileage travelled) ....	¢	23.4	44.0	54.9	48.0	35.9	48.1
Average revenue per truck .....	\$	1,900	3,400	8,500	11,100	7,600	12,500
Estimated annual population .....		351	134	1,095	780	18,000	20,400
		Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>							
Total mileage travelled .....	'000	81,441	62,692	297,803	201,592	1,591,286	
Average yearly mileage per truck .....		54,300	39,200	29,500	25,800	25,800	
Average distance each ton was carried .....		352.7	203.9	230.2	117.6	134.8	
Percentage of total mileage travelled empty ..		16.8	26.8	29.8	40.6	38.5	
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	5,745	5,500	24,992	17,429	179,177	
Miles per gallon of gasoline .....		5.3	5.2	5.4	5.6	5.6	
Total gallons of diesel oil consumed .....	'000	8,430	5,816	27,606	20,314	102,061	
Miles per gallon of diesel oil .....		6.0	5.8	5.9	5.1	5.7	
Total gallons of other fuel consumed .....	'000	—	10	101	92	317	
Miles per gallon of other fuel .....		—	—	—	—	5.4	
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	2,903	2,675	12,553	16,415	94,010	
Average weight carried .....	ton	15.1	11.9	13.8	16.1	12.9	
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	1,023,715	545,450	2,890,199	1,930,863	12,669,709	
Average net ton miles per truck .....		682,500	340,900	286,200	247,500	205,100	
<b>Capacity ton miles:</b>							
Total capacity ton miles .....	'000	1,457,631	1,016,772	4,507,672	2,979,172	21,705,971	
Average capacity ton miles per truck .....		971,800	635,500	446,300	381,900	351,500	
Percentage of capacity utilized .....		70.2	53.6	64.1	64.8	58.4	
<b>Gross ton miles:</b>							
Total gross ton miles .....	'000	2,023,000	1,304,302	6,182,309	4,093,582	27,329,012	
Average gross ton miles per truck .....		1,348,700	815,200	612,100	524,800	442,500	
<b>Revenue:</b>							
Total revenue .....	\$'000	39,974	25,112	108,059	98,773	681,639	
Revenue per ton mile .....	¢	3.9	4.6	3.7	5.1	5.4	
Revenue per mile (total mileage travelled) ....	¢	49.1	40.1	36.3	49.0	42.8	
Average revenue per truck .....	\$	26,600	15,700	10,700	12,700	11,000	
Estimated annual population .....		1,500	1,600	10,100	7,800	61,760	

TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	2,420	40,783	95,486	2.3	39.5	22,953	24.0	17,035
20,001-30,000 lb. ....	17,364	118,864	562,079	4.7	32.4	75,593	13.4	17,377
30,001-50,000 " .....	19,092	130,119	1,059,774	8.1	55.5	106,914	10.1	10,459
50,001 lb. and over .....	55,134	688,618	10,952,370	15.9	198.7	476,179	4.3	16,889
<b>Totals .....</b>	<b>94,010</b>	<b>978,384</b>	<b>12,669,709</b>	<b>12.9</b>	<b>134.8</b>	<b>681,639</b>	<b>5.4</b>	<b>61,760</b>

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity Group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	1,993	29,693	220,649	7.4	110.7	20,004	9.1
Food, feed, beverages and tobacco .....	13,907	202,740	2,445,128	12.1	175.8	110,979	4.5
Crude materials, inedible .....	29,771	64,260	1,002,639	15.6	33.7	46,951	4.7
Fabricated materials, inedible .....	25,965	177,451	3,025,219	17.0	116.5	137,866	4.6
End products, inedible .....	7,588	168,863	1,463,378	8.7	192.9	128,578	8.8
General freight .....	14,786	335,377	4,512,696	13.5	305.2	237,261	5.3
<b>Totals .....</b>	<b>94,010</b>	<b>978,384</b>	<b>12,669,709</b>	<b>12.9</b>	<b>134.8</b>	<b>681,639</b>	<b>5.4</b>

TABLE 7. Private Intercity Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	51,769	15,963	130,988	77,869	492,946	837,682	48,929	113,720	238,189	272,900	2,280,955
Average yearly mileage per truck .....	8,000	5,800	8,900	10,900	12,600	10,900	14,000	11,800	9,700	7,900	10,400
Average distance each ton was carried .....	32.5	39.1	34.8	29.1	36.6	64.2	97.7	21.9	82.5	54.0	46.4
Percentage of total mileage travelled empty .....	67.1	74.5	61.3	54.5	57.2	56.7	56.5	66.4	80.0	69.4	61.8
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	5,210	1,313	13,811	8,567	47,049	87,511	4,573	9,939	21,603	22,074	221,650
Miles per gallon of gasoline .....	9.9	12.0	9.3	8.8	10.0	9.0	9.4	10.7	10.7	11.3	9.7
Total gallons of diesel oil consumed ..... '000	25	24	516	533	3,983	8,225	759	875	1,063	4,041	20,044
Miles per gallon of diesel oil .....	10.0	7.2	6.1	5.0	5.8	5.9	6.0	5.9	5.8	4.9	5.6
Total gallons of other fuel consumed ..... '000	—	—	—	9	10	157	284	372	319	343	1,494
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	6.3
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	1,794	380	6,021	5,583	27,380	27,858	1,102	8,927	1,944	8,061	89,050
Average weight carried ..... tons	3.4	3.7	4.1	4.6	4.8	4.9	5.1	5.1	3.4	5.2	4.7
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	58,358	14,851	209,373	162,274	1,001,856	1,788,075	107,714	195,156	160,384	435,058	4,133,099
Average net ton miles per truck .....	9,000	5,400	14,200	22,600	25,500	23,300	30,800	20,200	6,600	12,600	18,800
<b>Capacity ton miles:</b>											
Total capacity ton miles .... '000	164,396	40,323	568,771	425,539	2,623,412	4,304,320	230,477	544,386	488,474	1,050,120	10,440,218
Average capacity ton miles per truck .....	25,400	14,600	38,400	59,400	66,800	56,000	65,900	56,400	20,000	30,500	47,600
Percentage of capacity utilized .....	35.5	36.8	36.8	38.1	38.2	41.5	46.7	35.8	32.8	41.4	39.6
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	200,139	50,982	654,561	465,739	2,692,095	5,189,707	289,711	652,678	662,584	1,325,309	12,183,505
Average gross ton miles per truck .....	31,000	18,400	44,200	65,000	68,500	67,500	82,800	67,600	27,100	38,500	55,500
Estimated annual population	6,462	2,766	14,794	7,168	39,278	76,879	3,500	9,659	24,450	34,401	219,357



TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under.....	4,488	363,615	174,826	0.5	39.0	159,936
10,001-20,000 lb. ....	11,021	142,371	355,104	2.5	32.2	25,413
20,001-30,000 " .....	25,589	164,295	853,399	5.2	33.4	21,072
30,001-50,000 " .....	22,227	82,439	781,892	9.5	35.2	7,408
50,001 lb. and over.....	25,725	118,724	1,967,878	16.6	76.5	5,528
<b>Totals.....</b>	<b>89,050</b>	<b>871,444</b>	<b>4,133,099</b>	<b>4.7</b>	<b>46.4</b>	<b>219,357</b>

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton
	'000 tons	'000	'000	tons	miles
Live animals .....	770	14,774	57,762	3.9	75.0
Food, feed, beverages and tobacco .....	14,256	298,445	972,240	3.3	68.2
Crude materials, inedible .....	43,701	107,392	1,016,239	9.5	23.3
Fabricated materials, inedible .....	21,770	145,824	1,264,254	8.7	58.1
End products, inedible .....	5,543	233,061	513,341	2.2	92.6
General freight .....	3,010	71,943	309,263	4.3	102.7
<b>Totals.....</b>	<b>89,050</b>	<b>871,444</b>	<b>4,133,099</b>	<b>4.7</b>	<b>46.4</b>

TABLE 10. Private Urban Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled..... '000	42,335	6,603	74,304	57,039	829,534	803,866	214,634	74,743	147,583	252,150	2,502,791
Average yearly mileage per truck.....	5,400	4,400	4,300	5,000	7,500	6,000	6,400	5,200	5,500	4,800	6,100
<b>Fuel:</b>											
Total gallons of gasoline consumed..... '000	4,415	1,451	6,907	6,227	81,686	87,313	23,637	8,368	16,016	24,133	260,153
Miles per gallon of gasoline	9.5	4.6	10.7	9.1	9.9	9.1	9.0	8.9	8.8	10.4	9.5
Total gallons of diesel oil consumed..... '000	50	—	2	—	4,154	1,186	463	33	912	191	6,991
Miles per gallon of diesel oil	3.6	—	—	—	4.4	5.0	5.8	7.4	4.5	4.4	4.6
Total gallons of other fuel consumed..... '000	—	—	8	42	105	10	44	—	48	90	347
Miles per gallon of other fuel	—	—	—	—	—	—	—	—	—	—	8.1
Estimated annual population	7,828	1,500	17,294	11,413	110,422	134,803	33,400	14,441	26,650	52,614	410,365

TABLE 11. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	1,241	6,014	21,261	13,411	115,152	194,451	78,622	182,880	245,814	61,643	920,489
Average yearly mileage per truck .....	3,500	2,600	3,500	2,700	2,900	3,100	2,000	2,000	3,000	4,600	2,700
Average distance each ton was carried .....	20.2	12.3	14.8	13.2	11.6	14.2	8.5	12.5	13.9	14.9	12.5
Percentage of total mileage travelled empty .....	58.6	69.5	71.5	57.7	74.1	70.5	70.5	71.6	66.9	71.1	70.0
<b>Fuel:</b>											
Total gallons of gasoline consumed .... '000	135	527	1,921	1,251	8,868	17,616	9,013	18,652	23,558	5,466	87,007
Miles per gallon of gasoline .....	9.2	11.4	11.1	10.7	13.0	11.0	8.7	9.8	10.4	11.3	10.6
Total gallons of diesel oil consumed ..... '000	—	4	—	—	—	—	—	56	—	—	60
Miles per gallon of diesel oil .....	—	4.3	—	—	—	—	—	6.2	—	—	6.1
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	77	—	77
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	—	—	13.5
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	22	115	396	410	1,808	3,709	4,976	8,384	7,470	1,243	28,533
Average weight carried ..... ton	0.9	0.8	1.0	1.0	0.7	0.9	1.8	2.0	1.3	1.0	1.3
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	436	1,414	5,853	5,411	20,943	52,532	42,376	104,463	103,505	18,532	355,465
Average net ton miles per truck .....	1,200	600	1,000	1,100	500	800	1,100	1,200	1,300	1,400	1,000
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	1,878	6,341	34,549	24,097	139,191	269,689	169,462	449,110	426,516	98,757	1,619,590
Average capacity ton miles per truck .....	5,200	2,800	5,700	4,900	3,500	4,300	4,300	5,000	5,200	7,300	4,700
Percentage of capacity utilized .....	23.2	22.3	16.9	22.5	15.0	19.5	25.0	23.3	24.3	18.8	21.9
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	3,246	10,658	52,643	37,099	232,357	432,032	232,575	573,593	622,323	149,044	2,345,570
Average gross ton miles per truck .....	9,000	4,600	8,700	7,500	5,800	6,900	5,900	6,400	7,600	11,100	6,900
Estimated annual population .....	359	2,300	6,017	4,939	39,800	62,418	39,500	90,300	82,400	13,485	341,518

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1964

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
*000 tons										
From:										
Atlantic Provinces .....	—	34	12	—	—	—	1	—	31	78
Quebec .....	45	—	1,026	47	6	70	14	—	273	1,481
Ontario .....	17	1,157	—	119	10	126	41	—	742	2,212
Manitoba .....	—	54	140	—	215	67	11	—	7	494
Saskatchewan .....	—	3	6	209	—	81	6	—	14	319
Alberta .....	—	81	107	62	164	—	406	146	39	1,005
British Columbia .....	—	21	53	13	13	342	—	25	185	652
Yukon and Northwest Territories .....	—	—	—	—	—	13	3	—	—	16
United States .....	5	130	194	3	11	19	87	—	—	449
<b>Totals .....</b>	<b>67</b>	<b>1,480</b>	<b>1,538</b>	<b>453</b>	<b>419</b>	<b>718</b>	<b>569</b>	<b>171</b>	<b>1,291</b>	<b>6,706</b>
Private intercity										
*000 tons										
From:										
Atlantic Provinces .....	—	26	3	—	—	—	—	—	252	281
Quebec .....	19	—	355	—	—	—	—	—	133	507
Ontario .....	11	333	—	14	—	1	—	—	300	659
Manitoba .....	—	—	42	—	31	15	—	—	7	95
Saskatchewan .....	—	—	2	17	—	2	1	—	4	26
Alberta .....	—	—	1	12	19	—	46	3	1	82
British Columbia .....	—	1	1	2	2	35	—	86	33	160
Yukon and Northwest Territories .....	—	—	—	—	—	—	21	—	—	21
United States .....	16	106	292	—	13	—	22	—	—	449
<b>Totals .....</b>	<b>46</b>	<b>466</b>	<b>696</b>	<b>45</b>	<b>65</b>	<b>53</b>	<b>90</b>	<b>89</b>	<b>730</b>	<b>2,280</b>

TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under .....	78	3,080	13,996	4.5	179.4	2,739	19.6
30,001-50,000 lb. ....	670	17,752	145,722	8.2	217.5	14,960	10.3
50,001 lb. and over .....	5,958	209,748	3,493,415	16.7	586.3	116,317	3.3
<b>Totals</b> .....	<b>6,706</b>	<b>230,580</b>	<b>3,653,133</b>	<b>15.8</b>	<b>544.8</b>	<b>134,016</b>	<b>3.7</b>
	Private Intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
20,000 lb. and under .....	178	14,104	15,952		1.1		89.6
20,001-30,000-lb. ....	206	7,089	38,889		5.5		188.8
30,001-50,000 " .....	488	8,306	76,955		9.3		157.7
50,001 lb. and over .....	1,408	25,597	406,117		15.9		288.4
<b>Totals</b> .....	<b>2,280</b>	<b>55,096</b>	<b>537,913</b>		<b>9.8</b>		<b>235.9</b>

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals .....	107	3,518	36,642	10.4	342.4	1,745	4.8
Food, feed, beverages and tobacco .....	1,011	50,268	824,055	16.4	815.1	22,066	2.7
Crude materials, inedible .....	657	8,636	144,323	16.7	219.7	4,172	2.9
Fabricated materials, inedible .....	1,871	32,141	583,876	18.2	312.1	20,654	3.5
End products, inedible .....	890	37,956	417,964	11.0	469.6	27,857	6.7
General freight .....	2,170	98,061	1,646,273	16.8	758.7	57,522	3.5
<b>Totals</b> .....	<b>6,706</b>	<b>230,580</b>	<b>3,653,133</b>	<b>15.8</b>	<b>544.8</b>	<b>134,016</b>	<b>3.7</b>
	Private Intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals .....	21	818	5,641		6.9		268.6
Food, feed, beverages and tobacco .....	497	12,641	140,080		11.1		281.9
Crude materials, inedible .....	694	11,266	86,436		7.7		124.5
Fabricated materials, inedible .....	676	9,472	154,149		16.3		228.0
End products, inedible .....	224	15,998	90,991		5.7		406.2
General freight .....	168	4,901	60,616		12.4		360.8
<b>Totals</b> .....	<b>2,280</b>	<b>55,096</b>	<b>537,913</b>		<b>9.8</b>		<b>235.9</b>



## Appendix I

## Truck Population by Province, Type of Operation and Gross Vehicle Weight Group

Type of operation and gross vehicle weight	New-found-land <sup>1</sup>	Prince Edward Island <sup>1</sup>	Nova Scotia <sup>1</sup>	New Brunswick <sup>1</sup>	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>For hire:</b>												
0- 5,000 lb. ....					7	755	289	—	—	164	125	1,340
5,001-10,000 " .....					225	2,651	669	41	111	431	691	4,819
10,001-15,000 " .....					248	2,006	894	28	43	314	486	4,019
15,001-20,000 " .....					355	2,768	2,039	152	87	846	610	6,857
20,001-30,000 " .....					640	4,001	6,474	253	307	3,955	1,747	17,377
30,001-50,000 " .....					443	2,833	2,984	301	338	1,952	1,608	10,459
50,001 lb. and over .....					442	2,986	7,051	725	714	2,438	2,533	16,889
<b>Totals .....</b>	<b>351</b>	<b>134</b>	<b>1,095</b>	<b>780</b>	<b>2,360</b>	<b>18,000</b>	<b>20,400</b>	<b>1,500</b>	<b>1,600</b>	<b>10,100</b>	<b>7,800</b>	<b>61,760</b>
<b>Private—Intercity:</b>												
0- 5,000 lb. ....					5,502	10,145	40,149	—	4,474	12,583	12,678	85,531
5,001-10,000 " .....					16,187	15,046	15,050	2,182	1,797	7,385	16,758	74,405
10,001-15,000 " .....					1,543	2,748	3,196	257	397	1,143	610	9,894
15,001-20,000 " .....					2,843	2,772	6,254	345	805	1,511	989	15,519
20,001-30,000 " .....					4,042	4,673	7,558	439	1,370	1,303	1,687	21,072
30,001-50,000 " .....					757	2,637	2,090	152	565	304	903	7,408
50,001 lb. and over .....					316	1,257	2,582	125	251	221	776	5,528
<b>Totals .....</b>	<b>6,462</b>	<b>2,766</b>	<b>14,794</b>	<b>7,168</b>	<b>31,190</b>	<b>39,278</b>	<b>76,879</b>	<b>3,500</b>	<b>9,659</b>	<b>24,450</b>	<b>34,401</b>	<b>219,357</b>
<b>Urban:</b>												
0- 5,000 lb. ....					7,189	29,491	79,512	7,509	8,015	15,866	20,179	167,761
5,001-10,000 " .....					24,138	53,335	29,009	17,339	3,234	5,088	23,577	155,720
10,001-15,000 " .....					1,867	8,378	7,735	1,419	726	979	1,948	23,052
15,001-20,000 " .....					2,667	6,629	8,109	2,750	899	2,007	2,604	25,665
20,001-30,000 " .....					1,893	6,819	6,446	2,313	866	1,342	2,963	22,642
30,001-50,000 " .....					281	5,770	3,992	2,070	701	1,368	1,343	15,525
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>7,828</b>	<b>1,500</b>	<b>17,294</b>	<b>11,413</b>	<b>38,035</b>	<b>110,422</b>	<b>134,803</b>	<b>33,400</b>	<b>14,441</b>	<b>26,650</b>	<b>52,614</b>	<b>410,365</b>
<b>Farm:</b>												
0- 5,000 lb. ....					2,089	17,085	45,004	2,100	18,699	38,771	4,437	128,185
5,001-10,000 " .....					10,119	20,010	14,291	27,349	36,701	23,285	6,966	138,721
10,001-15,000 " .....					758	1,996	1,376	4,495	12,546	4,110	885	26,166
15,001-20,000 " .....					427	658	1,154	4,125	12,472	12,162	687	31,685
20,001-30,000 " .....					199	49	593	1,172	9,563	3,986	486	16,048
30,001-50,000 " .....					23	2	—	259	319	86	24	713
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>359</b>	<b>2,300</b>	<b>6,017</b>	<b>4,939</b>	<b>13,615</b>	<b>39,800</b>	<b>62,418</b>	<b>39,500</b>	<b>90,300</b>	<b>82,400</b>	<b>13,485</b>	<b>341,518</b>
<b>All trucks:</b>												
0- 5,000 lb. ....					14,787	57,476	164,954	9,609	31,188	67,384	37,419	382,817
5,001-10,000 " .....					50,669	91,042	59,019	46,911	41,843	36,189	47,992	373,665
10,001-15,000 " .....					4,416	15,128	13,201	6,199	13,712	6,546	3,929	63,131
15,001-20,000 " .....					6,292	12,827	17,556	7,372	14,263	16,526	4,890	79,726
20,001-30,000 " .....					6,774	15,542	21,071	4,177	12,106	10,586	6,883	77,139
30,001-50,000 " .....					1,504	11,242	9,066	2,284	1,923	3,384	3,724	33,127
50,001 lb. and over .....					758	4,243	9,633	1,348	965	2,985	3,463	23,395
<b>Totals .....</b>	<b>15,000</b>	<b>6,700</b>	<b>39,200</b>	<b>24,300</b>	<b>85,200</b>	<b>207,500</b>	<b>294,500</b>	<b>77,900</b>	<b>116,000</b>	<b>143,600</b>	<b>108,300</b>	<b>1,033,000</b>

<sup>1</sup> Population estimates by gross vehicle weight group are not considered sufficiently reliable; therefore, totals only are shown.

## APPENDIX II

## Truck Population by Type of Motive Power, Class of Operation and Province (Including Tractors)

Type of motive power	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
	per cent					
Gasoline:						
For hire .....	2.3	1.9	2.6	2.8	7.8	
Private: Intercity .....	42.8	41.2	37.4	29.2	18.6	
Urban .....	52.0	22.4	44.0	46.9	52.6	
Farm .....	2.4	33.9	15.4	20.3	19.2	
Totals .....	99.5	99.4	99.4	99.2	98.2	
Diesel:						
For hire .....	1	0.1	0.2	0.4	0.8	
Private: Intercity .....	0.3	0.1	0.4	0.3	0.3	
Urban .....	0.2	—	1	—	0.7	
Farm .....	—	0.4	—	—	—	
Totals .....	0.5	0.6	0.6	0.7	1.8	
Other fuel:						
For hire .....	—	—	—	—	—	
Private: Intercity .....	—	—	—	1	1	
Urban .....	—	—	1	0.1	1	
Farm .....	—	—	—	—	—	
Totals .....	—	—	—	0.1	1	
All types:						
For hire .....	2.3	2.0	2.8	3.2	8.6	
Private: Intercity .....	43.1	41.3	37.8	29.5	18.9	
Urban .....	52.2	22.4	44.0	47.0	53.3	
Farm .....	2.4	34.3	15.4	20.3	19.2	
Totals .....	100.0	100.0	100.0	100.0	100.0	
Estimated truck population .....	15,000	6,700	39,200	24,300	207,500	
	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Canada
	per cent					
Gasoline:						
For hire .....	6.2	1.3	1.0	5.7	5.8	5.2
Private: Intercity .....	25.7	4.3	8.2	16.8	30.6	20.8
Urban .....	45.6	42.5	12.4	18.4	48.4	39.5
Farm .....	21.2	50.7	77.8	57.2	12.4	33.0
Totals .....	98.7	98.8	99.4	98.1	97.2	98.5
Diesel:						
For hire .....	0.7	0.6	0.4	1.3	1.4	0.8
Private: Intercity .....	0.4	0.1	0.1	0.1	0.6	0.3
Urban .....	0.2	0.4	1	0.1	0.1	0.2
Farm .....	—	—	—	—	—	—
Totals .....	1.3	1.1	0.5	1.5	2.1	1.3
Other fuel:						
For hire .....	1	0.1	1	1	1	1
Private: Intercity .....	1	1	0.1	0.1	0.6	0.1
Urban .....	1	—	—	0.1	0.1	1
Farm .....	—	—	—	0.2	—	0.1
Totals .....	1	0.1	0.1	0.4	0.7	0.2
All types:						
For hire .....	6.9	2.0	1.4	7.0	7.2	6.0
Private: Intercity .....	26.1	4.4	8.4	17.0	31.8	21.2
Urban .....	45.8	42.9	12.4	18.6	48.6	39.7
Farm .....	21.2	50.7	77.8	57.4	12.4	33.1
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0
Estimated truck population .....	294,500	77,900	116,000	143,600	108,300	1,033,000

<sup>1</sup> Less than .05 per cent.

## Appendix III

## Truck and Tractor-trailer Population by Model and Province

Model	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Canada	
	per cent										No.	
	Trucks and tractor-trailer combinations											
Pickup, express, panel, sedan delivery, jeep, utility .....	65.7	69.5	77.6	58.5	59.4	61.4	63.3	51.9	67.1	71.1	62.6	646,390
Metro .....	0.5	1.0	—	—	2.5	1.2	—	0.7	0.6	1.4	1.2	12,229
Van .....	5.0	3.1	2.5	10.5	8.0	12.3	9.0	1.6	5.0	9.8	8.1	83,909
Platform, stake, flatdeck .....	15.6	7.8	7.7	15.4	9.1	14.6	3.7	4.4	7.3	7.7	9.5	98,161
Mixer .....	0.6	—	0.4	—	0.4	0.5	0.5	0.2	0.5	0.4	0.4	3,886
Dump .....	5.9	1.7	3.8	6.5	5.5	5.1	4.6	3.9	2.0	3.4	4.4	45,294
Tank .....	2.4	0.8	1.7	3.1	3.3	2.1	2.2	1.7	1.9	2.0	2.3	23,591
Box .....	3.5	11.8	3.3	3.6	7.7	0.5	15.9	34.6	13.4	1.7	9.2	94,522
Bulk carrier .....	—	—	1.0	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.2	2,202
Mechanically refrigerated .....	0.1	3.0	0.4	0.2	0.7	0.6	0.3	0.5	0.3	0.6	0.5	5,453
Other .....	0.7	1.3	1.6	2.1	3.2	1.4	0.4	0.3	1.5	1.7	1.6	16,902
Not stated .....	—	—	—	—	<sup>1</sup>	0.1	—	0.1	0.1	<sup>1</sup>	<sup>1</sup>	461
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks and tractors	15,000	6,700	39,200	24,300	207,500	294,500	77,900	116,000	143,600	108,300		1,033,000
	Trucks											
Pickup, express, panel, sedan delivery, jeep, utility .....	65.7	69.5	78.9	59.5	61.0	64.7	64.9	52.8	69.4	74.1	64.7	646,249
Metro .....	0.5	1.0	—	—	2.6	1.3	—	0.7	0.7	1.5	1.2	12,229
Van .....	5.0	3.1	2.2	10.4	7.8	11.8	8.1	1.1	4.0	8.6	7.5	75,006
Platform, stake, flatdeck .....	15.6	7.8	7.3	14.9	8.4	12.8	3.0	3.9	6.7	6.9	8.5	85,138
Mixer .....	0.6	—	0.4	—	0.3	0.5	0.5	0.2	0.5	0.4	0.4	3,886
Dump .....	5.9	1.7	3.8	6.7	5.2	5.0	4.7	3.8	2.0	3.5	4.3	42,938
Tank .....	2.4	0.8	1.6	2.8	3.0	1.9	2.2	1.5	1.5	1.8	2.1	20,550
Box .....	3.5	11.8	3.3	3.6	7.9	0.5	16.3	35.2	13.8	1.6	9.4	93,952
Bulk carrier .....	—	—	0.9	0.1	0.2	<sup>1</sup>	0.1	<sup>1</sup>	0.1	0.1	0.1	1,174
Mechanically refrigerated .....	0.1	3.0	0.4	0.1	0.5	0.5	0.2	0.5	0.1	0.6	0.5	4,602
Other .....	0.7	1.3	1.2	1.9	3.1	0.9	<sup>1</sup>	0.2	1.1	0.9	1.3	12,682
Not stated .....	—	—	—	—	—	0.1	—	0.1	0.1	—	<sup>1</sup>	414
Totals .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks	15,000	6,700	38,631	23,862	201,772	280,165	75,944	114,091	138,722	103,933		998,820
	Tractor-trailer combinations											
Express, utility .....			—	—	1.8	0.2	—	—	—	—	0.4	141
Van .....			21.3	16.9	15.8	21.7	42.7	30.0	32.9	38.3	26.1	8,903
Platform, stake, flatdeck .....			40.1	39.7	32.0	49.5	31.4	37.0	23.6	27.9	38.1	13,023
Dump .....			7.2	—	13.3	7.0	3.9	10.1	4.3	1.8	6.9	2,356
Tank .....			6.3	17.8	14.4	6.1	6.4	11.5	11.8	6.9	8.9	3,041
Box .....			—	6.2	1.2	1.0	—	3.2	3.4	2.2	1.7	570
Pole or logging .....			3.7	—	1.1	0.6	1.0	—	0.8	14.5	2.5	866
Lowbed .....			11.0	1.8	2.2	3.7	6.4	3.1	6.6	3.7	4.1	1,397
Auto carrier .....	<sup>2</sup>	<sup>2</sup>	2.3	9.8	2.5	2.7	3.6	0.5	2.8	0.6	2.5	840
Bulk carrier .....			8.1	1.8	1.5	3.2	0.9	3.6	4.6	2.5	3.0	1,028
Mechanically refrigerated .....			—	6.0	1.7	2.4	2.8	0.5	5.1	1.6	2.5	851
Other .....			—	—	11.9	1.9	0.9	0.5	3.8	—	3.2	1,117
Not stated .....			—	—	0.6	—	—	—	0.3	—	0.1	47
Totals .....			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of tractors			569	438	5,728	14,335	1,956	1,909	4,878	4,367	—	34,180

<sup>1</sup> Less than .05 per cent.<sup>2</sup> Included with trucks.



**Appendix IV**  
**Truck Population by Year of Manufacture and Province**

Year of manufacture	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British <sup>1</sup> Columbia	Canada <sup>2</sup>	No.
	per cent											
Prior to 1952 .....	1.9	9.6	8.7	8.0	7.8	11.6	24.4	34.0	16.8	—	15.0	138,705
1952 .....	1.4	3.2	4.0	3.2	3.3	4.3	5.7	8.9	7.6	—	5.2	48,084
1953 .....	2.9	4.0	4.5	3.8	3.2	4.1	4.4	9.6	5.5	—	4.8	44,386
1954 .....	2.8	3.7	3.0	1.9	3.9	3.4	4.4	3.9	3.2	—	3.6	33,289
1955 .....	3.4	4.3	5.0	4.2	3.8	5.8	3.8	2.4	3.5	—	4.3	39,762
1956 .....	5.1	7.8	5.3	8.0	7.0	7.4	6.0	4.4	5.3	—	6.4	59,181
1957 .....	4.9	2.2	7.6	5.3	6.2	6.2	5.1	4.0	4.6	—	5.6	51,783
1958 .....	6.4	7.0	5.0	3.6	6.0	6.5	7.0	3.7	6.4	—	5.9	54,557
1959 .....	8.1	9.1	9.1	6.7	8.0	7.7	8.7	4.8	8.5	—	7.7	71,202
1960 .....	12.2	10.0	8.1	11.0	9.2	8.6	6.5	3.2	6.8	—	7.7	71,202
1961 .....	10.8	10.3	7.3	10.9	9.9	7.8	6.0	4.9	6.8	—	7.7	71,202
1962 .....	13.8	10.8	12.9	12.5	12.2	9.3	6.3	3.6	9.6	—	9.4	86,922
1963 .....	16.8	12.6	13.4	13.3	13.7	11.3	8.3	9.2	9.3	—	11.2	103,566
1964 .....	8.1	5.4	5.5	7.2	5.7	6.0	2.9	3.4	6.1	—	5.4	49,934
Not stated .....	1.4	—	0.6	0.4	0.1	<sup>3</sup>	0.5	<sup>3</sup>	<sup>3</sup>	—	0.1	925
<b>Totals .....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>—</b>	<b>100.0</b>	
Estimated population .....	15,000	6,700	39,200	24,300	207,500	294,500	77,900	116,000	143,600	—	924,700	924,700

<sup>1</sup> Year of manufacture not available.<sup>2</sup> Excludes British Columbia.<sup>3</sup> Less than .05 per cent.

**Appendix V**  
**Commodity Classification**

Live animals:	Crude materials, inedible — Concluded:
Cattle	Stone, crude
Live animals, n.e.s. <sup>1</sup>	Crude non-metallic minerals, except coal and petroleum, n.e.s.
	Crude materials, inedible, n.e.s.
Food, feed, beverages and tobacco:	Fabricated materials, inedible:
Meat and meat preparations	Sawmill products
Dairy produce, eggs and honey	Wood fabricated materials, n.e.s.
Cereals unmilled (including grain)	Paper and paperboard
Grain, flour, meal and cereal preparations, n.e.s.	Oils, fats, waxes, extracts and derivatives, animal and vegetable
Fruits and fruit preparations	Inorganic and organic chemicals
Vegetables and vegetable preparations	Chemical products
Fodder and feed, except unmilled cereals	Gasoline
Non-alcoholic beverages	Fuel oil
Ale, beer, stout and porter	Petroleum and coal products, n.e.s.
Tobacco	Iron and steel and alloys and metal fabricated basic products
Food, feed, beverages and tobacco, n.e.s.	Cement and concrete basic products
	Non-metallic mineral basic products, n.e.s.
Crude materials, inedible:	Fabricated materials, inedible, n.e.s.
Logs, round and roughly squared	
Round timber	End products, inedible:
Pulpwood	Machinery
Fuelwood, n.e.s.	Passenger automobiles and chassis
Crude wood materials, n.e.s.	Motor vehicle engines, accessories, parts and assemblies
Ores, concentrates and precipitates	End products, inedible, n.e.s.
Coal	
Coal, crude petroleum and related crude products, n.e.s.	General freight
Sand and gravel	

<sup>1</sup> n.e.s. - not elsewhere specified.

### Appendix VI

#### Description of Vehicle Classifications

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

#### For hire trucks

##### Atlantic provinces:

No separate licence—trucks owned by companies or individuals licensed by the motor carrier board.

##### Quebec:

"L" licensed vehicles—operated for compensation in intercity or urban services.

##### Ontario:

Public Commercial Vehicles (PCV)—operated for compensation outside urban areas (rural and intercity routes).

##### Manitoba:

Public Service Vehicles (PSV)—operated for compensation beyond 15 miles radius of place of registration.

##### Saskatchewan:

"A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

##### Alberta:

"E" and "P" licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

##### British Columbia:

"E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

#### Private intercity trucks

##### Atlantic provinces:

No separate licence—trucks operated on intercity routes.

##### Quebec:

No separate licence—trucks with "F" licences operated outside urban areas.

##### Ontario:

No separate licence—private non-farm trucks operated outside urban areas.

##### Manitoba:

"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

##### Saskatchewan:

No separate licence—trucks with "C" or "D" licences operated outside urban areas.

##### Alberta:

"C" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

##### British Columbia:

No separate licence—private non-farm trucks operated beyond urban areas.

#### Private urban trucks

##### Atlantic provinces:

No separate licence—trucks operated in urban areas.

##### Quebec:

No separate licence—trucks with "F" licences operated in urban areas.

##### Ontario:

No separate licence—trucks operated only in urban areas.

##### Manitoba:

"T" and "DC" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

##### Saskatchewan:

No separate licence—trucks with "C" or "D" licences operated within urban areas.

##### Alberta:

"U" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

##### British Columbia:

No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

#### Farm trucks

##### Atlantic provinces:

Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

##### New Brunswick:

Trucks with "F" or "C" licences.

##### Quebec:

"N" licensed vehicles—owned and operated by a farmer.

##### Ontario:

No separate licence—trucks owned and operated by a farmer.

##### Manitoba:

"FT" licensed vehicles—trucks owned and operated by a farmer.

##### Saskatchewan:

"F" licensed vehicles—trucks owned and operated by a farmer.

##### Alberta:

"F" licensed vehicles—trucks owned and operated by a farmer.

##### British Columbia:

Trucks owned and operated by a farmer including those with special farm licence.

## Appendix VII

## TRUCK TRAFFIC QUESTIONNAIRE

DOMINION BUREAU OF STATISTICS, OTTAWA  
Transportation Section

This questionnaire is for the following vehicle  
only, do not substitute any other vehicle:

To be completed by all vehicle operators regardless of the purpose for which vehicle is used - and to be returned at end of Survey Week.

Please answer those sections which apply to your operations for ONE WEEK ONLY

Serial No.

Licence No.

begin  
SUNDAY  
morning

end  
SATURDAY  
midnight

## INSTRUCTIONS - PLEASE READ CAREFULLY

**Tractors** - If the vehicle is a tractor then the information requested will apply to the tractor-trailer combination.

**Units of Measure** - Goods carried may be reported in gallons, cubic yards etc. if impossible to estimate in pounds. State unit used.

**If Vehicle did not Operate** - If this vehicle did not operate at all during Survey Week, or was used only on private property such as farm, quarry, lumber camp or industrial yard, or is no longer in your possession, please complete question 5 and return.

**Assistance** - If you have any queries regarding this questionnaire, please contact Transportation Section, Dominion Bureau of Statistics, Ottawa (phone no. 99-27054) or contact one of the Regional Offices listed below.

City	Address	Phone No.	City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box 5785)	578-3145	Halifax, N.S.	105 Hollis St. (P.O. Box 244)	423-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	875-2050	Toronto, Ont.	36 Adelaide St. E.	362-6211 (Loc. 2434)
Winnipeg, Man.	269 Main St. Federal Bldg.	943-4528	Edmonton, Alta.	533 Federal Public Bldg.	424-0251 (Loc. 259)
Vancouver, B.C.	Room 404, 326 Howe St.	681-5288		107th St.	

## I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☒ one):

☐ (a) as a for hire local cartage or pick-up and delivery carrier?

☐ (b) as a private local carrier?

Local in (a) and (b) above means operations confined to urban areas as defined by the provincial licensing system. Where licensing systems do not differentiate between urban and intercity operations, urban is defined as being within the confines of metropolitan areas, cities, towns and villages and the surrounding rural area within a five mile radius of the perimeter of the urban area.

☐ (c) as a for hire intercity carrier?

☐ (d) as a private intercity carrier?

☐ (e) by a farmer to carry goods to and from the farm?

☐ (f) for personal transportation with no load?

2. Is this vehicle licensed in the United States?

☐ 1 Yes ☐ 2 No

3. Is this a tractor-trailer combination?

☐ 1 Yes ☐ 2 No

If "yes" what is the usual gross vehicle weight of the combination? \_\_\_\_\_ lbs.

4. Gallons of fuel put into truck during Survey Week:

☐ 1 Gasoline .....

☐ 2 Diesel .....

☐ 3 Other .....

Gallons	
Imperial	U.S.

5. If this vehicle was not operated during Survey Week please state reason \_\_\_\_\_

## II. URBAN OR LOCAL OPERATIONS

- operations confined to urban areas as defined by the provincial licensing system. Where licensing systems do not differentiate between urban and intercity operations, urban is defined as being within the confines of metropolitan areas, cities, towns and villages and the surrounding rural areas within a five mile radius of the perimeter of the urban area. Exclude the urban portion of intercity trips which should be reported in section III.

1. Total miles travelled in Urban Areas during Survey Week.

Include miles travelled without a load..... miles.



## III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS

— operations defined as intercity by the provincial licensing system. Where licensing systems do not differentiate between intercity and urban operations, intercity is defined as outside the metropolitan areas, cities, towns and villages, and at least further than a 5 mile radius from the perimeter of an urban area. Rural operations refer to traffic performed on public roads by farmers to and from farm property. Report all trips including those without a load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES	
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip
1. Point of departure	Toronto	Montreal	Own farm	St. Catharines
2. Final destination	Montreal	Toronto	St. Catharines	Own farm
3. One-way mileage	350	350	23	23
4. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500
5. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500
6. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500
7. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil
8. What kind of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies
9. If this vehicle is a for-hire common or contract carrier, please estimate gross trip revenue.	\$180.00	nil	not applicable	not applicable
10. On trips which involve going from one province to another or to the U.S. please list by number the highways travelled on.	401; 2	2; 401	not applicable	not applicable

INFORMATION REQUIRED	ONE-WAY TRIP NO. 1	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Weight of load on vehicle at point of departure. (pounds)				
5. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
6. Weight of load on vehicle on arrival at final destination. (pounds)				
7. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
8. What kind of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. If this vehicle is a for-hire common or contract carrier, please estimate gross trip revenue.				
10. On trips which involve going from one province to another or to the U.S. please list by number the highways travelled on.				











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